

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 26, 2005, 10:48:35 ; Search time 22 Seconds
(without alignments)
1017.942 Million cell updates/sec

Title: US-10-202-687-2
Perfect score: 1584
Sequence: 1 MDLPQLSGLYVAAPALGF.....RGPGLKTVCAARTQGGKSQK 300

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/iaa/5A_COMB.pep.*
2: /cgn2_6/prodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/prodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/prodata/1/iaa/6B_COMB.pep.*
5: /cgn2_6/prodata/1/iaa/PCITUS_COMB.pep.*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1584	100.0	300	4	US-09-170-496D-250
2	1579	99.7	300	4	US-09-170-496D-272
3	347	21.9	346	4	US-09-170-496D-254
4	347	21.9	401	2	US-08-820-521-2
5	347	21.9	401	3	US-09-248-715-2
6	347	21.9	401	3	US-09-248-715-2
7	342	21.6	346	4	US-09-170-496D-274
8	340.5	21.5	330	3	US-09-187-710-2
9	332	21.0	330	2	US-08-788-750-2
10	332	21.0	330	4	US-09-170-496D-258
11	331	20.9	330	4	US-09-170-496D-276
12	322	20.3	330	4	US-09-152-060-104
13	231.5	14.6	385	3	US-09-053-866-2
14	231.5	14.6	385	4	US-09-479-130-2
15	231.5	14.6	385	4	US-09-472-130A-2
16	228	14.4	425	1	US-07-657-769B-69
17	228	14.4	425	1	US-08-097-938-7
18	228	14.4	425	1	US-08-313-553-13
19	228	14.4	425	1	US-07-789-184-220
20	228	14.4	425	1	US-08-476-000-7
21	228	14.4	425	1	US-08-475-263-220
22	228	14.4	425	1	US-08-472-840-7
23	228	14.4	425	1	US-08-485-886-220
24	228	14.4	425	1	US-08-477-362-220
25	228	14.4	425	2	US-08-477-134-220
26	228	14.4	425	2	US-08-911-320A-3
27	228	14.4	425	2	US-08-476-976-7

28	228	14.4	425	2	US-08-742-440A-7	Sequence 7, Appli
29	228	14.4	425	2	US-08-560-098A-57	Sequence 57, Appli
30	228	14.4	425	3	US-08-767-993-13	Sequence 13, Appli
31	228	14.4	425	3	US-08-473-489A-220	Sequence 220, App
32	228	14.4	425	3	US-08-474-410-7	Sequence 7, Appli
33	228	14.4	425	3	US-08-485-695-220	Sequence 220, App
34	228	14.4	425	3	US-09-217-101-3	Sequence 3, Appli
35	228	14.4	425	3	US-08-018-760-220	Sequence 220, App
36	228	14.4	425	3	US-08-486-673B-7	Sequence 7, Appli
37	228	14.4	425	4	US-09-054-272-53	Sequence 53, Appli
38	225.5	14.2	358	4	US-09-170-496D-186	Sequence 186, App
39	216.5	13.7	358	4	US-09-170-496D-40	Sequence 40, Appli
40	213	13.4	358	3	US-09-041-545-2	Sequence 2, Appli
41	213	13.4	358	3	US-09-327-925-2	Sequence 2, Appli
42	210	13.3	357	5	PCT-US95-07180-3	Sequence 3, Appli
43	205.5	13.0	408	2	US-08-742-440A-6	Sequence 6, Appli
44	202.5	12.8	328	3	US-08-513-974B-56	Sequence 56, Appli
45	202.5	12.8	328	3	US-08-513-974B-380	Sequence 380, App

ALIGNMENTS

RESULT 1
US-09-170-496D-250
; Sequence 250, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-Coupled Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 250
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-250

Query Match	100.0%;	Score 1584;	DB 4;	Length 300;
Best Local Similarity	100.0%;	Pred. No. 3.7e-126;		
Matches 300;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MDLPQLSGLYVAAPALGFPLNVLAIRGATAHARLRLTPSLVYALNLCSDLLLTSLP	60	
Db	1	MDLPQLSGLYVAAPALGFPLNVLAIRGATAHARLRLTPSLVYALNLCSDLLLTSLP	60	
Qy	61	LKAVELASGANPLPASLCVPFAVAFHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP	120	
Db	61	LKAVELASGANPLPASLCVPFAVAFHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP	120	
Qy	121	CYSWGCAAIWALVLCGLVFLGELAPGCGWLDHNSNTSLGINTPVNGSPVCLLEAWDPASAG	180	
Db	121	CYSWGCAAIWALVLCGLVFLGELAPGCGWLDHNSNTSLGINTPVNGSPVCLLEAWDPASAG	180	
Qy	181	PARFSLSLLLFPPLAITAFVCVGCRLARALRGLTHRRKLRRAWVAGGALLTLLLCVGPY	240	
Db	181	PARFSLSLLLFPPLAITAFVCVGCRLARALRGLTHRRKLRRAWVAGGALLTLLLCVGPY	240	
Qy	241	NASNVAFLYPNLGGSRWKLGLITGAWSVVLNPLVTGYLGRGPGKTKVCAARTQGGKSQK	300	
Db	241	NASNVAFLYPNLGGSRWKLGLITGAWSVVLNPLVTGYLGRGPGKTKVCAARTQGGKSQK	300	
RESULT 2				
US-09-170-496D-272				
; Sequence 272, Application US/09170496D				
; Patent No. 6555339				

GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patentin version 3.1
SEQ ID NO 272
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-170-496D-272

Query Match 99.7%; Score 1579; DB 4; Length 300;
Best Local Similarity 99.7%; Pred. No. 9.7e-126;
Matches 299; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 MDLPPLSGLYVAAFALGFLPLNLVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
DB 1 MDLPPLSGLYVAAFALGFLPLNLVLAIRGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGFLAALSAGRYLGAAPFLGYQAFRRP 120
DB 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGFLAALSAGRYLGAAPFLGYQAFRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGLVFGLEAPGWLHDHNTSLGINTPVNGSPVCLBAPASAG 180
DB 121 CYSWGVCAAIWAIVLCHLGLVFGLEAPGWLHDHNTSLGINTPVNGSPVCLBAPASAG 180
QY 181 PARFSILLFLPLAITAFVCYVGCRLARALSGLTHRRKLRAAWAGGALLTLLLCVGPY 240
DB 181 PARFSILLFLPLAITAFVCYVGCRLARALSGLTHRRKLRAAWAGGALLTLLLCVGPY 240
QY 241 NASNVASFLYPLNGLGSRWKLGLITGAWSVVNLPLVTGYLGRGPGKTVCAARTQGGKSK 300
DB 241 NASNVASFLYPLNGLGSRWKLGLITGAWSVVNLPLVTGYLGRGPGKTVCAARTQGGKSK 300

RESULT 3
US-09-170-496D-254
Sequence 254, Application US/09170496D
Patent No. 6555339
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
FILE REFERENCE: AREN-0040
CURRENT APPLICATION NUMBER: US/09/170,496D
CURRENT FILING DATE: 1998-10-13
NUMBER OF SEQ ID NOS: 294
SOFTWARE: Patentin version 3.1
SEQ ID NO 254
LENGTH: 346
TYPE: PRT
ORGANISM: Homo sapiens
US-09-170-496D-254

Db 61 DILLLLFLFFRMVEAANGMHMPLPFLCPLSGIFFTTIIYLTALFLAAVSIERFLSVHP 120
QY 112 LGYQAFRRPCYSWGYCAAIWALVCHLGLVFGLEAPGWLHDHNTSLGINTPVNGSPVCL 171
Db 121 LMWYKTRPLGQAGLVSVACWLLASHACSVMVYIEFSGD-ISHSQGTNG-----TCY 170
QY 172 EAW---DPASGPARFSLSLLLFFLPLAITAFVCYVGCRLARALSGLTHRRKLRAAWAGG 228
Db 171 LEFRKDQLAILLPVLEMAVLFVVPLIITSVCYSLRWILGGG-SHRRQRVAGLLAA 229
QY 229 ALLTLLLCVGPYNASNVASFLYPLNGLGSRWKLGLITGAWSVVNLPLVTGYLGRG 282
Db 230 TLLNFLVCFPGYNVSHVGYICGE-SPAWRIYVITLLSTLNSCVDPPVYFSSSG 282

RESULT 4
US-08-820-521-2
Sequence 2, Application US/08820521
Patent No. 5942416
GENERAL INFORMATION:
APPLICANT: Bergsma, Derk
APPLICANT: Ganesh, Sathe
APPLICANT: Fuetterer, Wendy
APPLICANT: Mao, Joyce
TITLE OF INVENTION: CDNA CLONE HNFY20 THAT ENCODES
TITLE OF INVENTION: A NOVEL HUMAN 7-TRANSMEMBRANE RECEPTOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: Fast-Seq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/820,521
FILING DATE: 19-MAR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50011
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-820-521-2

Query Match 21.9%; Score 347; DB 2; Length 401;
Best Local Similarity 32.3%; Pred. No. 1.8e-21;
Matches 95; Conservative 41; Mismatches 134; Indels 24; Gaps 6;

QY 1 MDLPPLS-----FGLYVAAFALGFLPLNLVLAIRGATAHARLRLTPSLVYALNLGCS 51
Db 56 MDTGPDQSYFSGNHWFVFSVILLTFLVGLPLNLLALVVFVGLQRRPVAVDVLLNLITAS 115
QY 52 DILLTVSLPLKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGFLAALSAGRYLGAAPP 111
||||| : ||| : ||| ||||| : ||| : ||| : ||| : ||| : ||| : ||| : ||| : |||

Db 116 D L L L L L F P R M V E A A N G M H W P L F T L C P L S G F I F F T T I Y L T A L F L A A V S I E R F L S V A H P 175
QY 112 L G V Q A F R R C Y S G V C A A I W A L V L C H L G L V F G L E A P G G W L D H S N T S L G I N T P V N G S P V C L 171
Db 176 L W Y K T R P R L G Q A G L V S V A C W L L A S A H C S V V Y V I E F S G D - I S H S Q G T N G - - - - - T C Y 225
QY 172 E A W - - - D P A S A G P A R F S L L L F F L P L A I T A F C Y V G C L R A L A R S G L T H R R K L R A A W A V A G G 228
Db 226 L E F R K D Q L A I L L P V R L E M A V L F V V P L I I T S Y C S R L W I L G R G G - S H R R Q R V A G L L A A 284
QY 229 A L L T L L C V P N A S N A S V A S F L P N T G G S W R K L G L I T G A W S V V L N P L V T G Y L G R G 282
Db 285 T L L N F L V C F G P N V S H V G Y I C E - S P A W R I Y V T L L S T L N S C V D P P V Y F S S G 337

RESULT 7

US-09-170-496D-274
; Sequence 274, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 274
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-170-496D-274

Query Match 21.6%; Score 342; DB 4; Length 346;
Best Local Similarity 32.0%; Pred. No. 4e-21;
Matches 94; Conservative 41; Mismatches 135; Indels 24; Gaps 6;

QY 1 M D L P P O L S - - - - - F G L Y V A A F A L G P L N V L A I R G A T A H A R L R L T P S L Y V A L N L G C S 51
Db 1 M D T G P D Q S Y F S G N H W F V S Y L L T F L V G L P L N L L A L V F V G K L Q R R P V A D V L L N L T A S 60
QY 52 D L L L T V S L P L K A V E A L A S A N W P L P A S L C P V A H F F P L Y A G G F L A A L S A G R Y L G A R P P 111
Db 61 D L L L L L F P R V E A A N G M H W P L F T L C P L S G F I F F T T I Y L T A L F L A A V S I E R F L S V A H P 120
QY 112 L G V Q A F R R C Y S G V C A A I W A L V L C H L G L V F G L E A P G G W L D H S N T S L G I N T P V N G S P V C L 171
Db 121 L W Y K T R P R L G Q A G L V S V A C W L L A S A H C S V V Y V I E F S G D - I S H S Q G T N G - - - - - T C Y 170
QY 172 E A W - - - D P A S A G P A R F S L L L F F L P L A I T A F C Y V G C L R A L A R S G L T H R R K L R A A W A V A G G 228
Db 171 L E F R K D Q L A I L L P V R L E M A V L F V V P L I I T S Y C S R L W I L G R G G - S H R R Q R V A G L L A A 229
QY 229 A L L T L L C V P N A S N A S V A S F L P N T G G S W R K L G L I T G A W S V V L N P L V T G Y L G R G 282
Db 230 T L L N F L V C F G P N V S H V G Y I C E - S P A W R I Y V T L L S T L N S C V D P P V Y F S S G 282

RESULT 8

US-09-187-710-2
; Sequence 2, Application US/09187710A
; Patent No. 6180365
; GENERAL INFORMATION:
; APPLICANT: LANE, PAMELA
; APPLICANT: TSUI, PING
; APPLICANT: ELSHOUBAGY, NABIL
; APPLICANT: VAWTER, LISA
; TITLE OF INVENTION: MOUSE 7-TRANSMEMBRANE RECEPTOR GPR43
; FILE REFERENCE: GP-70566

; CURRENT APPLICATION NUMBER: US/09/187,710A
; CURRENT FILING DATE: 1998-11-06
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 330
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-187-710-2

Query Match 21.5%; Score 340.5; DB 3; Length 330;
Best Local Similarity 30.9%; Pred. No. 5.1e-21;
Matches 99; Conservative 45; Mismatches 129; Indels 47; Gaps 11;

QY 12 Y V A A F A L G P L N V L A I R G A T A H A R L - R L T P S I V V A L N L G C S D L L L T V S L P L K A V E A L A S G 70
Db 14 Y I L I F L T G L P A N L L A I R A F M G R V R O P Q P A P W H I L L N I T L A D L L L L L L L L P P R I V E A A S N F 73
QY 71 A W P L P A S L C P V F A V A H F F P L Y A G G F L A A L S A G R Y L G A A F P L G Y Q A F R R P C Y S W G V C A A I 130
Db 74 R W L P K I V C A L T G F G F Y S S I Y C S T W L L A G I S M E R V L G V A F P V Q Y K L S R R P L Y - - G V I A A L 131
QY 131 - - W A L V L C H L G L V F G L E A P G G W L D H S N T S L G I N T P V N G S P V C L E A W D P A S A G - - - P A R F S 185
Db 132 V A W I M S F G H C T I V I T V Q - - - - - Y L N S T E Q V G T - - E N Q I T C Y E N F T Q E L D V V L P V R L E 182
QY 186 L S L L L F F L P L A I T A F C Y - - - V C C L R A L A R S G L T H R R K L R A A W A V A G G A L L T L L C V G P Y N A 242
Db 183 L C L V L F F V P M A V T I F C Y W R F V W I M L T Q P H V G A Q R R R - - R A V G L A V V T L L N L F V C F G P Y N M 240
QY 243 S N V A S F L Y P N L G G S W R K L G L I T G A W S V V L N P L V - - - - - T G V L 279
Db 241 S H L V C F - Y L R O S P S W R V E A V F S S I N A S L D P L L F Y F S S V V R R A F G K G L L L I R N P A S S V L 299
QY 280 G R G P G L K T V C A A R T Q G G K S Q 299
Db 300 G R G - A K E T V E G T K M D R G G S Q 318

RESULT 9

US-08-788-750-2
; Sequence 2, Application US/08788750
; Patent No. 5910430
; GENERAL INFORMATION:
; APPLICANT: Ellis, Catherine
; APPLICANT: Bergsma, Derek
; TITLE OF INVENTION: No. 5910430el G-Protein Coupled Receptor
; TITLE OF INVENTION: (H7ADX50)
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/788,750
; FILING DATE: 24-JAN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: ATG50048
; TELECOMMUNICATION INFORMATION:


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; Patent No. 6436400
; GENERAL INFORMATION:
; APPLICANT: Xu, Wenfeng
; APPLICANT: Presnell, Scott R.
; APPLICANT: Yee, David P.
; APPLICANT: Foster, Donald C.
; TITLE OF INVENTION: PROTEASE-ACTIVATED RECEPTOR
; DATE OF INVENTION: PAR4 (ZCHEMR2)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,130
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Leith, Debra K
; REGISTRATION NUMBER: 32,619
; REFERENCE/DOCKET NUMBER: 98-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6674
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 385 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FRAGMENT TYPE: internal
US-09-479-130-2

Query Match      14.6%; Score 231.5; DB 4; Length 385;
Best Local Similarity 24.9%; Pred. No. 9.9e-12;
Matches 88; Conservative 29; Mismatches 123; Indels 113; Gaps 8

QY    3 LPPQLSGLVVAAPALGPPINVLAIRG-ATAHARLRLTPSLVLYALNLGCSDLLLTVSILPL 61
Db    :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
QY    75 VPTRELVALYLGLLVGPLANGLAHVLTQAURL---PSTMLMNTATADULLLALAAPP 131
Db    |:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
QY    62 KAVEALASGAWPLPASLCPFVFAHFPLYAGGGFLAALSAGRVLGYAAFFPLGYOAFRRPC 121
Db    |:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
Db    132 RIAYLRGORWFPEGEACRLATAALYGHMYGSVLLLAAVSLDRYLALVHLRPARALGR 191
QY    122 YSWGVCRAAIWA-----VLCHLGVLFGLEAPCGMWIDHSNLSLG 159
Db    |:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
Db    192 LALLGCMAAWLMAAALPLTLQRTRLARSDRVLCHDALPLDAQA----- 238
QY    160 INTVPNGSPVCLEAWDPASAGPAFSLIILFPPLAITFCYVGCLRALARSGLTHRRK 219
Db    |:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
Db    239 -----SHQPAPT-----CLALLGCFPLLAMLICYGNLTHLTAASGRRYCHA 281
QY    220 LR-----AAWVAGGALI.TLLICVGPYNAS 243
Db    |:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
Db    282 LRLTAVVLASAVAFFVPSNLLLLHHYPDSPSAWGNYLGYAVPSIALSTLNASCVD 337
QY    244 NVASFLEYPNLTGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTKVCAARTOGG 296
Db    -:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:~
Db    338 ----FIYYYSAEFR-----DKVRAGLFORSPODGTVASAKASREGG 373
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 26, 2005, 10:51:36 ; Search time .64 Seconds
(without alignments)
1841.842 Million cell updates/sec

Title: US-10-202-687-2
Perfect score: 1584
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Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1767149 seqs, 392926209 residues

Total number of hits satisfying chosen parameters: 1767149

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : Published Applications AA.*
- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pcp.*
 - 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pcp.*
 - 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pcp.*
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 - 9: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pcp.*
 - 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pcp.*
 - 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pcp.*
 - 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pcp.*
 - 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pcp.*
 - 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pcp.*
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 - 18: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pcp.*
 - 19: /cgn2_6/ptodata/1/pubpaa/US11A_PUBCOMB.pcp.*
 - 20: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pcp.*
 - 21: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pcp.*
 - 22: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1584	100.0	300	14	US-10-251-385-250
2	1584	100.0	300	14	US-10-225-567A-475
3	1584	100.0	300	14	US-10-029-386-33080
4	1584	100.0	300	15	US-10-202-687-2
5	1584	100.0	300	16	US-10-451-007B-2
6	1584	100.0	300	17	US-10-504-726-5
7	1584	100.0	300	17	US-10-505-486-15
8	1579	99.7	300	14	US-10-251-385-272
9	1519	95.9	300	17	US-10-504-726-17
10	1333	84.2	300	16	US-10-451-007B-4
11	1333	84.2	300	17	US-10-504-726-1
					Sequence 250, App
					Sequence 475, App
					Sequence 33080, A
					Sequence 2, Appli
					Sequence 5, Appli
					Sequence 15, Appli
					Sequence 272, App
					Sequence 17, Appli
					Sequence 4, Appli
					Sequence 1, Appli

12	1320	83.3	300	17	US-10-504-726-3	Sequence 3, Appli
13	1295	81.8	300	17	US-10-504-726-29	Sequence 29, Appli
14	366	23.1	346	14	US-10-203-539-4	Sequence 4, Appli
15	366	23.1	346	16	US-10-408-765A-643	Sequence 643, App
16	347	21.9	346	14	US-10-251-385-254	Sequence 254, App
17	347	21.9	346	14	US-10-225-567A-605	Sequence 605, App
18	347	21.9	346	14	US-10-203-539-2	Sequence 2, Appli
19	347	21.9	346	14	US-10-789-241-26	Sequence 26, Appli
20	347	21.9	401	14	US-10-029-386-33898	Sequence 33898, A
21	342	21.6	346	14	US-10-251-385-274	Sequence 274, App
22	340.5	21.5	330	14	US-10-348-130-2	Sequence 2, Appli
23	334	21.1	330	14	US-10-348-130-4	Sequence 4, Appli
24	332	21.0	330	14	US-10-251-385-258	Sequence 258, App
25	332	21.0	330	14	US-10-225-567A-467	Sequence 467, App
26	332	21.0	330	14	US-10-337-992-2	Sequence 2, Appli
27	332	21.0	330	14	US-10-029-386-34068	Sequence 34068, A
28	332	21.0	330	16	US-10-789-241-28	Sequence 28, Appli
29	331	20.9	330	14	US-10-251-385-276	Sequence 276, App
30	322	20.3	330	9	US-09-853-161-104	Sequence 104, App
31	322	20.3	330	9	US-09-852-659A-104	Sequence 104, App
32	322	20.3	330	9	US-09-852-797-104	Sequence 104, App
33	322	20.3	330	15	US-10-058-993-104	Sequence 104, App
34	298.5	18.8	319	14	US-10-203-539-6	Sequence 6, Appli
35	244	15.4	420	14	US-10-081-810-41	Sequence 41, Appli
36	231.5	14.6	385	14	US-10-081-810-43	Sequence 43, Appli
37	231.5	14.6	385	14	US-10-225-567A-516	Sequence 516, App
38	231.5	14.6	385	14	US-10-187-049-2	Sequence 2, Appli
39	231.5	14.6	385	17	US-10-872-198-113	Sequence 113, App
40	231.5	14.6	385	20	US-11-021-951-113	Sequence 113, App
41	228	14.4	384	16	US-10-488-038-8	Sequence 8, Appli
42	228	14.4	425	9	US-09-782-980-80	Sequence 80, Appli
43	228	14.4	425	9	US-09-884-430-4	Sequence 4, Appli
44	228	14.4	425	14	US-10-127-691-7	Sequence 7, Appli
45	228	14.4	425	14	US-10-081-810-42	Sequence 42, Appli

ALIGNMENTS

RESULT 1
US-10-251-385-250
; Sequence 250, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: ARN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 250
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-251-385-250

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Matches 300;	Conservative 0;			
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Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFFLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
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Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVNGSPVCLAWDPASAG 180
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Db 181 PARFSLSLLLFFFLPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
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Db 241 NASNVASFLYPNLGGSWRKLGLITGAWSVVLNPLVTGYLGRGPGGLKTVCAARTQGGKSK 300

RESULT 2

US-10-225-567A-475
; Sequence 475, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 475
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-475

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Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 61 LKAVEALASGAWPLPASLCPVFAVAHFFFLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFFLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
Qy 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVNGSPVCLAWDPASAG 180
Qy 181 PARFSLSLLLFFFLPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFFLPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
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RESULT 3

US-10-029-386-33080
; Sequence 33080, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rankel, David R.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G
; TITLE OF INVENTION: EXPRESSION ANALYSIS TWO

; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; CURRENT FILING DATE: 2001-12-20
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1
; SEQ ID NO 33080
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO UC2631.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.89
; OTHER INFORMATION: SWISSPROT HIT: O14842, EVALUE 0.00e+00
US-10-029-386-33080

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Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 MDLPPLSFGLYVAAPFALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTLSLP 60
Qy 61 LKAVEALASGAWPLPASLCPVFAVAHFFFLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFFLYAGGGFLAALSAGRYLGAFFPLGYQAFRRP 120
Qy 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 CYSWGVCAAIWAIVLCHLGVFLGAPGCGWLDHNSNTSLGINTPVNGSPVCLAWDPASAG 180
Qy 181 PARFSLSLLLFFFLPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARFSLSLLLFFFLPLAITAFVCVGCCLRALRALSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Qy 241 NASNVASFLYPNLGGSWRKLGLITGAWSVVLNPLVTGYLGRGPGGLKTVCAARTQGGKSK 300
Db 241 NASNVASFLYPNLGGSWRKLGLITGAWSVVLNPLVTGYLGRGPGGLKTVCAARTQGGKSK 300

RESULT 4

US-10-202-687-2
; Sequence 2, Application US/10202687
; Publication No. US20040019109A1
; GENERAL INFORMATION:
; APPLICANT: OMNIA, CHRISTER
; APPLICANT: OLDE, BJORN
; APPLICANT: KOTARSKY, KNU
; APPLICANT: NILSSON, NICLAS
; APPLICANT: FLODREN, ERIK
; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS AFFECTING FATTY ACID
; TITLE OF INVENTION: METABOLISM
; FILE REFERENCE: 07675.0007 SEQUENCE LISTING
; CURRENT APPLICATION NUMBER: US/10/202,687
; CURRENT FILING DATE: 2002-07-24
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-202-687-2

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Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy      181  PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db      181  PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Qy      241  NASNVASFLYPNLGGSRWKLGLITGAWSVVNLPLVTGYLGRGPKLTVCAARTQGGKSOK 300
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RESULT 5
US-10-451-007B-2
; Sequence 2, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Tadayyon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451.007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-451-007B-2
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Best Local Similarity 100.0%; Pred. No. 5.7e-136;
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Db      1  MDLPPLQSLFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Qy      61  LKAVEALASGAWPLPASLCVFAVAHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
Db      61  LKAVEALASGAWPLPASLCVFAVAHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
Qy      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
Db      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
Qy      181  PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db      181  PARFSLSLLLFFFLPLAITAFYVGCCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Qy      241  NASNVASFLYPNLGGSRWKLGLITGAWSVVNLPLVTGYLGRGPKLTVCAARTQGGKSOK 300
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RESULT 6
US-10-504-726-5
; Sequence 5, Application US/10504726
; Publication No. US2005008986A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504,726
; CURRENT FILING DATE: 2004-08-13
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; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 5
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Human
US-10-504-726-5
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Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      1  MDLPPLQSLFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Qy      61  LKAVEALASGAWPLPASLCVFAVAHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
Db      61  LKAVEALASGAWPLPASLCVFAVAHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
Qy      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
Db      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHSNTSLGINTPVNGSPVCLEAWDPASAG 180
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Qy      241  NASNVASFLYPNLGGSRWKLGLITGAWSVVNLPLVTGYLGRGPKLTVCAARTQGGKSOK 300
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; Sequence 15, Application US/10505486
; Publication No. US20050118639A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; FILE REFERENCE: P03-0006PCT
; CURRENT APPLICATION NUMBER: US/10/505,486
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: JP 2002-45728
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: JP 2002-213949
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: JP 2002-298237
; PRIOR FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 233
; SEQ ID NO 15
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Human
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Best Local Similarity 100.0%; Pred. No. 5.7e-136;
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Db      1  MDLPPLQSLFGLYVAAPALGFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60
Qy      61  LKAVEALASGAWPLPASLCVFAVAHFFPLYAGGGFLAALSAGRYLGAAPFLGYQAFRRP 120
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Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120

Qy 121 CYSWGCAAIWALVCHLGLVFGLEAPGGWLDHSHNTSLGINTPVNGSPVCLEAWDPASAG 180

Db 121 CYSWGCAAIWALVCHLGLVFGLEAPGGWLDHSHNTSLGINTPVNGSPVCLEAWDPASAG 180

Qy 181 PARFSLSLLLFFPLAITAFCVGVCLRALARSGLTHRRKLRAAWAGGALLTLLLCVGPY 240

Db 181 PARFSLSLLLFFPLAITAFCVGVCLRALARSGLTHRRKLRAAWAGGALLTLLLCVGPY 240

Qy 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

RESULT 8

US-10-251-385-272

; Sequence 272, Application US/10251385

; Publication No. US20030105292A1

; GENERAL INFORMATION:

; APPLICANT: Behan, Dominic P.

; APPLICANT: Chalmers, Derek T.

; APPLICANT: Liaw, Chen W.

; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G

; TITLE OF INVENTION: Protein-Coupled

; TITLE OF INVENTION: Receptors

; FILE REFERENCE: AREN-0040

; CURRENT APPLICATION NUMBER: US/10/251,385

; CURRENT FILING DATE: 2002-09-20

; PRIOR APPLICATION NUMBER: US/09/170,496

; PRIOR FILING DATE: 1998-10-13

; NUMBER OF SEQ ID NOS: 294

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 272

; LENGTH: 300

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-251-385-272

Query Match 99.7%; Score 1579; DB 14; Length 300;

Best Local Similarity 99.7%; Pred. No. 1.6e-135;

Matches 299; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MDLPOLSFGLYVAAFALGFFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60

Db 1 MDLPOLSFGLYVAAFALGFFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60

Qy 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120

Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120

Qy 121 CYSWGCAAIWALVCHLGLVFGLEAPGGWLDHSHNTSLGINTPVNGSPVCLEAWDPASAG 180

Db 121 CYSWGCAAIWALVCHLGLVFGLEAPGGWLDHSHNTSLGINTPVNGSPVCLEAWDPASAG 180

Qy 181 PARFSLSLLLFFPLAITAFCVGVCLRALARSGLTHRRKLRAAWAGGALLTLLLCVGPY 240

Db 181 PARFSLSLLLFFPLAITAFCVGVCLRALARSGLTHRRKLRAAWAGGALLTLLLCVGPY 240

Qy 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

RESULT 9

US-10-504-726-17

; Sequence 17, Application US/10504726

; Publication No. US20050089866A1

; GENERAL INFORMATION:

; APPLICANT: Takeda Chemical Industries, Ltd.

; TITLE OF INVENTION: Novel Screening Method

; FILE REFERENCE: P04-071PCT

; CURRENT APPLICATION NUMBER: US/10/504,726

; CURRENT FILING DATE: 2004-08-13

; PRIOR APPLICATION NUMBER: JP 2002-037131

; PRIOR FILING DATE: 2002-02-14

; PRIOR APPLICATION NUMBER: JP 2002-204163

; PRIOR FILING DATE: 2002-07-12

; PRIOR APPLICATION NUMBER: JP 2002-328696

; PRIOR FILING DATE: 2002-11-12

; PRIOR APPLICATION NUMBER: JP 2003-14032

; PRIOR FILING DATE: 2003-01-22

; NUMBER OF SEQ ID NOS: 41

; SEQ ID NO 17

; LENGTH: 300

; TYPE: PRT

; ORGANISM: Monkey

US-10-504-726-17

Query Match 95.9%; Score 1519; DB 17; Length 300;

Best Local Similarity 96.7%; Pred. No. 4.8e-130;

Matches 290; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

Qy 1 MDLPOLSFGLYVAAFALGFFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60

Db 1 MDLPOLSFGLYVAAFALGFFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60

Qy 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120

Db 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120

Qy 121 CYSWGCAAIWALVCHLGLVFGLEAPGGWLDHSHNTSLGINTPVNGSPVCLEAWDPASAG 180

Db 121 CYSWGCAAIWALVCHLGLVFGLEAPGGWLDHSHNTSLGINTPVNGSPVCLEAWDPASAG 180

Qy 181 PARFSLSLLLFFPLAITAFCVGVCLRALARSGLTHRRKLRAAWAGGALLTLLLCVGPY 240

Db 181 PARFSLSLLLFFPLAITAFCVGVCLRALARSGLTHRRKLRAAWAGGALLTLLLCVGPY 240

Qy 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

Db 241 NASNVASFLYPNLGGSWRKGLITGAWSVVLNPLVTGYLGRGPGKLTVCAAARTQGGKSQK 300

RESULT 10

US-10-451-007B-4

; Sequence 4, Application US/10451007B

; Publication No. US20040137517A1

; GENERAL INFORMATION:

; APPLICANT: Glaxo Group Limited

; APPLICANT: Briscoe, Celia

; APPLICANT: Ignar, Diane

; APPLICANT: Muir, Alison

; APPLICANT: Tadayyon, Mohammed

; TITLE OF INVENTION: Method of Screening for GPR40 Ligands

; FILE REFERENCE: P32745

; CURRENT APPLICATION NUMBER: US/10/451,007B

; CURRENT FILING DATE: 2003-01-12

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: PatentIn version 3.0

; SEQ ID NO 4

; LENGTH: 300

; TYPE: PRT

; ORGANISM: Mus musculus

US-10-451-007B-4

Query Match 84.2%; Score 1333; DB 16; Length 300;

Best Local Similarity 83.0%; Pred. No. 4.3e-113;

Matches 249; Conservative 17; Mismatches 34; Indels 0; Gaps 0;

Qy 1 MDLPOLSFGLYVAAFALGFFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60

Db 1 MDLPOLSFGLYVAAFALGFFPLNVLAIARGATAHARLRLTPSLVYALNLGCSDLLLTVSLP 60

Qy 61 LKAVEALASGAWPLPASLCPVFAVAHFFPLFYAGGGFLAALSAGRYLGAAFFPLGYQAFRRP 120

Db 61 LKAVEALASGAWPLPLPFCVPFALAHFAPLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGLVFGLEAPGGWLDHSNTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 RYSGWGVCAIWAIVLCHLGLALGLETSGWLDNSTSLGINIPVNGSPVCLAWDPDSAR 180
QY 181 PARFSLSLLLFFLPLAITAFYCYGCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARLSFSLLLFFLPLVITAFYCYGCLRALVRSLSHKRLRAAWVAGGALLTLLLCIGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPKLTVCAARTQGGKSOK 300
Db 241 NASNVASFINPDGGSWRKGLITGAWSVVNLPLVTGYLGTGPGRTICVTRTQRTIQK 300

RESULT 11
US-10-504-726-1
; Sequence 1, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504, 726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 1
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Mouse
US-10-504-726-1

Query Match 84.2%; Score 1333; DB 17; Length 300;
Best Local Similarity 83.0%; Pred. No. 4.3e-113;
Matches 249; Conservative 17; Mismatches 34; Indels 0; Gaps 0;
QY 1 MDLPPQLSFGLYVAAFALGFLNVLAIAGTAAHARLRLTPSLVYALNLGCSDLLLTVSIP 60
Db 1 MDLPPQLSFPALYVSFAFGFLNLLAIAGVASHAKRLTPSLVYTLHLGCSDLLLAIITLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFPLLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
Db 61 LKAVEALASGAWPLPLPFCVPFALAHFAPLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGLVFGLEAPGGWLDHSNTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 RYSGWGVCAIWAIVLCHLGLALGLETSGWLDNSTSLGINIPVNGSPVCLAWDPDSAR 180
QY 181 PARFSLSLLLFFLPLAITAFYCYGCLRALARSGLTHRRKLRAAWVAGGALLTLLLCVGPY 240
Db 181 PARLSFSLLLFFLPLVITAFYCYGCLRALVRSLSHKRLRAAWVAGGALLTLLLCIGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPKLTVCAARTQGGKSOK 300
Db 241 NASNVASFINPDGGSWRKGLITGAWSVVNLPLVTGYLGTGPGRTICVTRTQRTIQK 300

RESULT 12
US-10-504-726-3
; Sequence 3, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT

; CURRENT APPLICATION NUMBER: US/10/504, 726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 3
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Rat
US-10-504-726-3

Query Match 83.3%; Score 1320; DB 17; Length 300;
Best Local Similarity 81.7%; Pred. No. 6.6e-112;
Matches 245; Conservative 19; Mismatches 36; Indels 0; Gaps 0;
QY 1 MDLPPQLSFGLYVAAFALGFLNVLAIAGTAAHARLRLTPSLVYALNLGCSDLLLTVSIP 60
Db 1 MDLPPQLSFPALYVSFAFGFLNLLAIAGVASHAKRLTPSLVYTLHLGCSDLLLAIITLP 60
QY 61 LKAVEALASGAWPLPASLCPVFAVAHFPLLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
Db 61 LKAVEALASGAWPLPLPFCVPFALAHFAPLYAGGGFLAALSAGRYLGAAPFPGYQAIRRP 120
QY 121 CYSWGVCAAIWAIVLCHLGLVFGLEAPGGWLDHSNTSLGINTPVNGSPVCLAWDPASAG 180
Db 121 CYSWGVCVAIWAIVLCHLGLALGLETSGWLDNSTSLGINIPVNGSPVCLAWDPDSAR 180
QY 181 PARFSLSLLLFFLPLAITAFYCYGCLRALARSGLTHRRKLRRAAWVAGGALLTLLLCVGPY 240
Db 181 PARLSFSLLLFFLPLVITAFYCYGCLRALVHSLSHKRLRAAWVAGGALLTLLLCIGPY 240
QY 241 NASNVASFLYPNLGGSWRKGLITGAWSVVNLPLVTGYLGRGPKLTVCAARTQGGKSOK 300
Db 241 NASNVASFINPDGGSWRKGLITGAWSVVNLPLVTGYLGTGPGRTICVTRTQRTIQK 300

RESULT 13
US-10-504-726-29
; Sequence 29, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504, 726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 29
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Hamster
US-10-504-726-29

Query Match 81.8%; Score 1295; DB 17; Length 300;
Best Local Similarity 80.7%; Pred. No. 1.3e-109;
Matches 242; Conservative 21; Mismatches 37; Indels 0; Gaps 0;
QY 1 MDLPPQLSFGLYVAAFALGFLNVLAIAGTAAHARLRLTPSLVYALNLGCSDLLLTVSIP 60

Db 1 MALSQFALPVSAFALGPENLLLAIRGAVARARLRLTPNLVYTLHLACSDLLLAITLP 60
QY 61 LKAVENALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAFFPGYQAFRRP 120
Db :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||: 120
Db 61 VKAVENALASGAWPLPLCLCPVFLVHFAPLYAGGGFLAALSAGRYLGAFFPGYQAFRRP 120
QY 121 CYSWGVCAAIWALVLCGLVFLGAPGWLHDHNTSLGINTPVNGSPVCLLEAWDPASAG 180
Db :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||: 180
Db 121 RYSWGVCVAINALVLCMLGLVGLRAPGGWLNTSSSLGINTPVNGSPVCLLEAWDPNSAR 180
QY 181 PARFSLSLFLPLAITAFYVGCRLARALSGLTHRRKRLRAAWAGGALLTLCLCVGPY 240
Db :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||: 240
Db 181 PARLSFILLFPVPLVITAFYVGCRLARALSGLTHRRKRLRAAWAGGAFLLTLLCLGYPY 240
QY 241 NASNVASFYPLNGLGSRWKLGLITGAWSVVNLPLVTGYLGRGPGLTVCVAARTQGGKSOQ 300
Db :|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||: 300
Db 241 NASNVASFVNPDLGGSRWKLGLITGWSVVLNPLVTGYLGASPGRGTVCTTRTOGGTIQK 300

RESULT 14
US-10-203-539-4
; Sequence 4, Application US/10203539
; Publication No. US20030113810A1
; GENERAL INFORMATION:
; APPLICANT: GLAXO GROUP LIMITED
; TITLE OF INVENTION: NOVEL ASSAY
; FILE REFERENCE: PG3849USW
; CURRENT APPLICATION NUMBER: US/10/203,539
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: GB 0003900.8
; PRIOR FILING DATE: 2000-02-18
; PRIOR APPLICATION NUMBER: GB 0007015.1
; PRIOR FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: Patent In Ver. 3.0
; SEQ ID NO 4
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-10-203-539-4

Query Match 23.1%; Score 366; DB 14; Length 346;
Best Local Similarity 34.1%; Pred. No. 7e-25;
Matches 101; Conservative 38; Mismatches 129; Indels 28; Gaps 8;
QY 1 MDLPPLQS-----FGLYVAAPALGPPLNVLAIRGATAHARLRLTFLSLVYALNLGCS 51
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 60
QY 52 DLLLTVSLPLKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAAPP 111
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 120
QY 112 LGYQAFRRPCYSWGVCAAIWALVLCGLVFLGAPGWLHDHNTSLGINTPVNGSPVC- 170
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 170
QY 171 LEAWDP--ASAGPARFSLSLLLFFPLAITAFYVGCRLARALSGLTHRRKRLRAAWAGG 228
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 229
QY 229 ALLTLLLCVGPYNASNVASFLYPNLGGS--WRKLGITGAWSVVNLNPLVTGYLGRG 282
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 282

RESULT 15
US-10-408-765A-643
; Sequence 643, Application US/10408765A
; Publication No. US20040101874A1
; GENERAL INFORMATION:
; APPLICANT: Ghosh, Soumitra S.
; APPLICANT: Fahy, Eoin D.

; APPLICANT: Zhang, Bing
; APPLICANT: Gibson, Bradford W.
; APPLICANT: Taylor, Steven W.
; APPLICANT: Glenn, Gary M.
; APPLICANT: Warnock, Dale E.
; TITLE OF INVENTION: TARGETS FOR THERAPEUTIC INTERVENTION
; TITLE OF INVENTION: IDENTIFIED IN THE MITOCHONDRIAL PROTEOME
; FILE REFERENCE: 660088.465
; CURRENT APPLICATION NUMBER: US/10/408,765A
; CURRENT FILING DATE: 2003-04-04
; NUMBER OF SEQ ID NOS: 3077
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 643
; LENGTH: 346
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-408-765A-643

Query Match 23.1%; Score 366; DB 16; Length 346;
Best Local Similarity 34.1%; Pred. No. 7e-25;
Matches 101; Conservative 38; Mismatches 129; Indels 28; Gaps 8;
QY 1 MDLPPLQS-----FGLYVAAPALGPPLNVLAIRGATAHARLRLTFLSLVYALNLGCS 51
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 60
QY 52 DLLLTVSLPLKAVEALASGAWPLPASLCPVFAVAHFFPLYAGGGFLAALSAGRYLGAAPP 111
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 120
QY 112 LGYQAFRRPCYSWGVCAAIWALVLCGLVFLGAPGWLHDHNTSLGINTPVNGSPVC- 170
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 170
QY 171 LEAWDP--ASAGPARFSLSLLLFFPLAITAFYVGCRLARALSGLTHRRKRLRAAWAGG 228
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 229
QY 229 ALLTLLLCVGPYNASNVASFLYPNLGGS--WRKLGITGAWSVVNLNPLVTGYLGRG 282
Db |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|: 282

Search completed: August 26, 2005, 10:57:32
Job time : 65 secs

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Db      61  LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
QY      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHNTSLGINTPVGSPVCLAEWDPASAG 180
Db      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHNTSLGINTPVGSPVCLAEWDPASAG 180
QY      181  PARFSLSLFFPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
Db      181  PARFSLSLFFPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
QY      241  NASNVASFLYPNLGGSWRKGLITGAWSVVLPVLTGYLGRGPKLTKVCAARTOGGKSQK 300
Db      241  NASNVASFLYPNLGGSWRKGLITGAWSVVLPVLTGYLGRGPKLTKVCAARTOGGKSQK 300

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RESULT 5
US-10-451-007B-2
; Sequence 2, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Todayvon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451.007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-451-007B-2

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Query Match      100.0%; Score 1584; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  MDLPPLQSLFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
Db      1  MDLPPLQSLFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
QY      61  LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
Db      61  LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
QY      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHNTSLGINTPVGSPVCLAEWDPASAG 180
Db      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHNTSLGINTPVGSPVCLAEWDPASAG 180
QY      181  PARFSLSLFFPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
Db      181  PARFSLSLFFPLAITAFVCYVGCCLRALARSGLTHRRKRAAWVAGGALLTLLLCVGPY 240
QY      241  NASNVASFLYPNLGGSWRKGLITGAWSVVLPVLTGYLGRGPKLTKVCAARTOGGKSQK 300
Db      241  NASNVASFLYPNLGGSWRKGLITGAWSVVLPVLTGYLGRGPKLTKVCAARTOGGKSQK 300

```

```

RESULT 6
US-10-504-726-5
; Sequence 5, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504.726
; CURRENT FILING DATE: 2004-08-13

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; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 5
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Human
US-10-504-726-5

```

```

Query Match      100.0%; Score 1584; DB 17; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1  MDLPPLQSLFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
Db      1  MDLPPLQSLFGLYVAAPALGFPPLNVLAIRGATAHARLRLTSLVYALNLCSDLLLTVSLP 60
QY      61  LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
Db      61  LKAVEALASGAWPLPASLCPVFAVAHFFPLVAGGFLAALSAGRYLGNAFPLGYQAFRRP 120
QY      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHNTSLGINTPVGSPVCLAEWDPASAG 180
Db      121  CYSWGVCAAIWAIVLCHLGVFLGAPGGWLDHNTSLGINTPVGSPVCLAEWDPASAG 180
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RESULT 7
US-10-505-486-15
; Sequence 15, Application US/10505486
; Publication No. US20050118639A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Determination of a ligand
; FILE REFERENCE: P03-0006PCT
; CURRENT APPLICATION NUMBER: US/10/505.486
; CURRENT FILING DATE: 2004-08-20
; PRIOR APPLICATION NUMBER: JP 2002-45728
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: JP 2002-213949
; PRIOR FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: JP 2002-298237
; PRIOR FILING DATE: 2002-10-11
; NUMBER OF SEQ ID NOS: 233
; SEQ ID NO 15
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Human
US-10-505-486-15

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Query Match      100.0%; Score 1584; DB 17; Length 300;
Best Local Similarity 100.0%; Pred. No. 5.7e-136;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
9363.566 Million cell updates/sec

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Perfect score: 903
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Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 7331713 seqs, 3271544945 residues

Total number of hits satisfying chosen parameters: 14663426

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Maximum Match 100%
Listing first 45 summaries

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 - 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq.*
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 - 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
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 - 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
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 - 18: /cgn2_6/ptodata/1/pubpna/US10F_PUBCOMB.seq.*
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 - 20: /cgn2_6/ptodata/1/pubpna/US10H_PUBCOMB.seq.*
 - 21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq.*
 - 22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq.*
 - 23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq.*
 - 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq.*
 - 25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
 - 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	903	100.0	903	15	US-10-251-385-249 Sequence 249, App
2	903	100.0	903	15	US-10-225-567A-474 Sequence 474, App
3	903	100.0	903	16	US-10-029-386-22904 Sequence 22904, A
4	903	100.0	903	17	US-10-202-687-1 Sequence 1, Appli
5	903	100.0	903	19	US-10-451-007B-1 Sequence 1, Appli
6	902.2	99.9	13682	19	US-10-741-601-5759 Sequence 5759, Ap
7	902.2	99.9	13682	21	US-10-741-600-17948 Sequence 17948, A

8	902.2	99.9	30192	19	US-10-741-601-5669 Sequence 5669, Ap
9	902.2	99.9	30192	21	US-10-741-600-17700 Sequence 17700, A
10	900	99.7	900	21	US-10-504-726-6 Sequence 6, Appli
11	900	99.7	900	21	US-10-505-486-16 Sequence 16, Appl
12	898.2	99.5	903	15	US-10-251-385-271 Sequence 271, App
13	840.8	93.1	900	21	US-10-504-726-18 Sequence 18, Appl
14	612	67.8	900	21	US-10-504-726-30 Sequence 30, Appl
15	604.4	66.9	903	19	US-10-451-007B-3 Sequence 3, Appli
16	602.4	66.7	900	21	US-10-504-726-2 Sequence 2, Appli
17	588	65.1	900	21	US-10-504-726-4 Sequence 4, Appli
18	200.6	22.2	201	19	US-10-741-601-16957 Sequence 16957, A
19	200.6	22.2	201	19	US-10-741-601-16980 Sequence 16980, A
20	200.6	22.2	201	19	US-10-741-601-25105 Sequence 25105, A
21	200.6	22.2	201	19	US-10-741-601-25106 Sequence 25106, A
22	200.6	22.2	201	21	US-10-741-600-46370 Sequence 46370, A
23	200.6	22.2	201	21	US-10-741-600-46388 Sequence 46388, A
24	200.6	22.2	201	21	US-10-741-600-67969 Sequence 67969, A
25	200.6	22.2	201	21	US-10-741-600-67970 Sequence 67970, A
26	154	17.1	550	16	US-10-029-386-2201 Sequence 9201, Ap
27	121.8	13.5	960	16	US-10-029-386-24088 Sequence 24088, A
28	121.8	13.5	1041	15	US-10-251-385-253 Sequence 253, App
29	121.8	13.5	1041	15	US-10-225-567A-604 Sequence 604, App
30	121.8	13.5	1041	15	US-10-203-539-1 Sequence 1, Appli
31	121.8	13.5	1041	15	US-10-203-539-3 Sequence 3, Appli
32	121.8	13.5	1061	19	US-10-789-241-25 Sequence 25, Appl
33	121.8	13.5	1206	16	US-10-029-386-25146 Sequence 273, App
34	118.6	13.1	1041	15	US-10-251-385-273 Sequence 25107, A
35	87	9.6	201	19	US-10-741-601-25107 Sequence 67971, A
36	87	9.6	201	21	US-10-741-600-67971 Sequence 515, App
37	84.6	9.4	4895	15	US-10-225-567A-515 Sequence 1, Appli
38	84.6	9.4	4895	15	US-10-187-049-1 Sequence 1156, Ap
39	84.6	9.4	4895	21	US-10-956-157-1156 Sequence 5, Appli
40	80	8.9	1098	15	US-09-850-948-5 Sequence 117, App
41	80	8.9	1098	15	US-10-251-385-117 Sequence 225, App
42	80	8.9	1098	15	US-10-251-385-225 Sequence 5, Appli
43	80	8.9	1098	15	US-10-273-575-5 Sequence 282, App
44	80	8.9	1098	15	US-10-225-567A-282 Sequence 25332, A
45	80	8.9	1434	16	US-10-029-386-25332

ALIGNMENTS

RESULT 1
/ US-10-251-385-249
; Sequence 249, Application US/10251385
; Publication No. US20030105292A1
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. US20030105292A1-Endogenous, Constitutively Activated Human G
; TITLE OF INVENTION: Protein-Coupled
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/10/251,385
; CURRENT FILING DATE: 2002-09-20
; PRIOR APPLICATION NUMBER: US/09/170,496
; PRIOR FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 249
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-251-385-249

Query Match 100.0%; Score 903; DB 15; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 361 TGTATTCTGGGGGTGTGCGGGCCATCTGGGCTCTGCTGTGTCACTGTGTGCTG 420
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US-10-225-567A-474
; Sequence 474, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burmer, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS

FILE REFERENCE: 1920-4-4
CURRENT APPLICATION NUMBER: US/10/225,567A
CURRENT FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 60/257,144
PRIOR FILING DATE: 2000-12-19
NUMBER OF SEQ ID NOS: 2292
SOFTWARE: PatentIn version 3.1
SEQ ID NO 474
LENGTH: 903
TYPE: DNA
ORGANISM: Homo sapiens
US-10-225-567A-474

Query Match 100.0%; Score 903; DB 15; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 22904, Application US/10029386
; Publication No. US20030194704A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Hanzel, David K.
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: AEOMICA-X-2
; CURRENT APPLICATION NUMBER: US/10/029,386
; NUMBER OF SEQ ID NOS: 34288
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 22904
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.89
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; OTHER INFORMATION: EST_HUMAN HIT: AW583167.1, EVALUE 0.00e+00
US-10-029-386-22904

Query Match 100.0%; Score 903; DB 16; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 ATGGACTGCCCCCGAGCTCTCTTGGCGCTCTATGTGGCGCTTGGCGTGGGCTTC 60
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DB 361 TGCTATTCTTGGGGGTGTCGCGGCGCTTCTGCGGCGCTTCTGCTGTGCTGCTGCTG 420
QY 421 GTCTTTGGGTGAGGCTCCAGAGGCTGCGGCGCTTCTGCGGCGCTTCTGCTGTGCTG 480
DB 421 GTCTTTGGGTGAGGCTCCAGAGGCTGCGGCGCTTCTGCGGCGCTTCTGCTGTGCTG 480

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DB 481 AACACACCGGTCAACGGGCTCTCGGCTCTCGGCTGTGGAGGCTTGGGACCCGGGCTCTGCGCGC 540
QY 541 CCGGCGCGCTTCAGGCT 600
DB 541 CCGGCGCGCTTCAGGCT 600
QY 601 TGCTAGTGGGCTGCTCCGGGCACTTGGGCGCTCTCGGCTTCAACGACAGGCGGAAGCTG 660
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DB 721 AACGCTCTCAACGCTGGCGAGCTTCTGTACCCCAATCTAGGAGGCTCTTGGCGGAAGCTG 780
QY 781 GGGCTCATCACGGGTGCTTGGAGT 840
DB 781 GGGCTCATCACGGGTGCTTGGAGT 840
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DB 901 TAA 903
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; Sequence 1, Application US/10202687
; Publication No. US20040019109A1
; GENERAL INFORMATION:
; APPLICANT: OMAN, CHRISTER
; APPLICANT: OLDE, BJORN
; APPLICANT: KOTARSKY, KNU
; APPLICANT: NILSSON, NICLAS
; APPLICANT: FLODREN, ERIK
; TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS AFFECTING FATTY ACID
; TITLE OF INVENTION: METABOLISM
; FILE REFERENCE: 07675.0007 SEQUENCE LISTING
; CURRENT APPLICATION NUMBER: US/10/202,687
; CURRENT FILING DATE: 2002-07-24
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent Ver. 2.1
; SEQ ID NO 1
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-202-687-1
Query Match 100.0%; Score 903; DB 17; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGGACCTGCCCCCGAGCTCTCTTGGGCTCTATGTGGCGCTTGGCGTGGGCTTC 60
DB 1 ATGGACCTGCCCCCGAGCTCTCTTGGGCTCTATGTGGCGCTTGGCGTGGGCTTC 60
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DB 61 CCGCTCAACGCTCTGGCCATCCGAGCGGCGGCGGCGGCTCGGCTCTCAACCTT 120
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DB 121 AGCTGGTCTTACGCCCTGAACCTTGGGCTGTCTCGACCTGTCTGCTGACAGTCTCTTGCCC 180
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Db 241 GTCCTCGCGGTGGCCACACTTCTCCACACTATGCCGGGGGGGTTCCTGGCGCCCGCTG 300
Qy 301 AGTGAGGCGGTACCTCGGAGCAGACTTCCCTTTGGGCTACCAAGCCTTCGGAGGCG 360
Db 301 AGTGAGGCGGTACCTCGGAGCAGACTTCCCTTTGGGCTACCAAGCCTTCGGAGGCG 360
Qy 361 TGCTATTCTCGGGGGGTGTGCGGGCCATCTGGGCCCTCGTGTGTGTCACCTGGGCTG 420
Db 361 TGCTATTCTCGGGGGGTGTGCGGGCCATCTGGGCCCTCGTGTGTGTCACCTGGGCTG 420
Qy 421 GTCCTTTGGGTGGAGGCTCAGAGGCTGGGAGGCTGGGAGGCTGGGAGGCTGGGAGG 480
Db 421 GTCCTTTGGGTGGAGGCTCAGAGGCTGGGAGGCTGGGAGGCTGGGAGGCTGGGAGG 480
Qy 481 AACACACCGGTCAACCGGCTCTCGGCTCTCGGCTGGAGGCTGGGAGGCTGGGAGG 540
Db 481 AACACACCGGTCAACCGGCTCTCGGCTCTCGGCTGGAGGCTGGGAGGCTGGGAGG 540
Qy 541 CCGGCCCGCTTCAAGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
Db 541 CCGGCCCGCTTCAAGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
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Qy 721 AACGCTTCAACGTTGGCCAGCTTCTCTGTATCCCAATCTAGGAGGCTCTTGGCGG 780
Db 721 AACGCTTCAACGTTGGCCAGCTTCTCTGTATCCCAATCTAGGAGGCTCTTGGCGG 780
Qy 781 GGGCTCATACGGGTGCTGGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 840
Db 781 GGGCTCATACGGGTGCTGGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 840
Qy 841 AGGGGTCTTGGCTGAAGACAGTGTGGCGCAAGAAAGCAAGGGGCAAGTCCAGAG 900
Db 841 AGGGGTCTTGGCTGAAGACAGTGTGGCGCAAGAAAGCAAGGGGCAAGTCCAGAG 900
Qy 901 TAA 903
Db 901 TAA 903
```

```
RESULT 5
US-10-451-007B-1
; Sequence 1, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Tadavayon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451,007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
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; NAME/KEY: CDS
; LOCATION: (1)...(900)
US-10-451-007B-1
Query Match 100.0%; Score 903; DB 19; Length 903;
Best Local Similarity 100.0%; Pred. No. 1e-221;
Matches 903; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 ATGGAACCTGCCCCCGCAGCTCTCTTGGGCTCTATATGCGGCGCTTTGGCTGGGCTTC 60
Db 1 ATGGAACCTGCCCCCGCAGCTCTCTTGGGCTCTATATGCGGCGCTTTGGCTGGGCTTC 60
Qy 61 CGCTCAACGCTCTCGGCCATCCGAGGCGCAGAGGCCACGCGCCGCTCTCGCTCAACCCCT 120
Db 61 CGCTCAACGCTCTCGGCCATCCGAGGCGCAGAGGCCACGCGCCGCTCTCGCTCAACCCCT 120
Qy 121 AGCTGTGTCTACGCCCTGAACCTGGGCTGTCTCGACCTGCTGCTGACAGTCTCTCTGCCC 180
Db 121 AGCTGTGTCTACGCCCTGAACCTGGGCTGTCTCGACCTGCTGCTGACAGTCTCTCTGCCC 180
Qy 181 CTGAAGGCGGTGGAGGCGCTAGCCTCCGGGCGCTGGCCCTCTGCGGCGCTCGCTGTGCC 240
Db 181 CTGAAGGCGGTGGAGGCGCTAGCCTCCGGGCGCTGGCCCTCTGCGGCGCTCGCTGTGCC 240
Qy 241 GTCTTCGCGGTGGCCACTTCTTCCACTCTATGCCGGGCGGCTTCTTGGCGCCCTG 300
Db 241 GTCTTCGCGGTGGCCACTTCTTCCACTCTATGCCGGGCGGCTTCTTGGCGCCCTG 300
Qy 301 AGTGAGGCGCGCTACTTGGGAGCAGCTTCCCTTTGGGCTACCAAGCCTTCCGAGGCG 360
Db 301 AGTGAGGCGCGCTACTTGGGAGCAGCTTCCCTTTGGGCTACCAAGCCTTCCGAGGCG 360
Qy 361 TGCTATTCTCGGGGGGTGTGCGGCGCATCTGCGGCGCTCTGCTGTGTGCTGTGGTCTG 420
Db 361 TGCTATTCTCGGGGGGTGTGCGGCGCATCTGCGGCGCTCTGCTGTGTGCTGTGGTCTG 420
Qy 421 GTCTTTGGGTTGGAGGCTCCAGAGGCTGGTGTGACCAACAGCAACCTCTCGGCGATC 480
Db 421 GTCTTTGGGTTGGAGGCTCCAGAGGCTGGTGTGACCAACAGCAACCTCTCGGCGATC 480
Qy 481 AACACACCGGTCAACGCGCTCTCCGCTGTGCTGAGGCTGGGACCCCGGCTCTGCCGCG 540
Db 481 AACACACCGGTCAACGCGCTCTCCGCTGTGCTGAGGCTGGGACCCCGGCTCTGCCGCG 540
Qy 541 CCGGCCCGCTTCAAGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
Db 541 CCGGCCCGCTTCAAGCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 600
Qy 601 TGCTACGTGGGCTGCTCCGGGCACTGGCCCGCTCCGGCTGACGACAGCGGGAAGCTG 660
Db 601 TGCTACGTGGGCTGCTCCGGGCACTGGCCCGCTCCGGCTGACGACAGCGGGAAGCTG 660
Qy 661 CCGGCCCGCTTGGGTGGCGGGGCGGCGCTCTCTCAGCTGTGCTCTGCTGTGGTAGGACCTTAC 720
Db 661 CCGGCCCGCTTGGGTGGCGGGGCGGCGCTCTCTCAGCTGTGCTCTGCTGTGGTAGGACCTTAC 720
Qy 721 AACGCTTCAACGTTGGCGCAGCTTCTCTGTATCCCAATCTAGGAGGCTCTTGGCGGGAAGCTG 780
Db 721 AACGCTTCAACGTTGGCGCAGCTTCTCTGTATCCCAATCTAGGAGGCTCTTGGCGGGAAGCTG 780
Qy 781 GGGCTCATACGGGTGCTGGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 840
Db 781 GGGCTCATACGGGTGCTGGAGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGGTGTGG 840
Qy 841 AGGGGTCTTGGCTGAAGACAGTGTGGCGCAAGAAAGCAAGGGGCAAGTCCAGAG 900
Db 841 AGGGGTCTTGGCTGAAGACAGTGTGGCGCAAGAAAGCAAGGGGCAAGTCCAGAG 900
Qy 901 TAA 903
Db 901 TAA 903
```

RESULT 6

US-10-741-601-5759
; Sequence 5759, Application US/10741601
; Publication No. US20040166519A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001500
; CURRENT APPLICATION NUMBER: US/10/741.601
; NUMBER OF SEQ ID NOS: 26415
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5759
; LENGTH: 13682
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-601-5759

Query Match 99.9%; Score 902.2; DB 19; Length 13682;
Best Local Similarity 99.8%; Pred. No. 1.4e-221;
Matches 901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ATGACCTGCCCGCAGCTCTCTCGGCTCTATGTGCGCCCTTTGGCTGGGCTTC	60
Db	6002	ATGACCTGCCCGCAGCTCTCTCGGCTCTATGTGCGCCCTTTGGCTGGGCTTC	6061
Qy	61	CCGCTCAACGCTCTGGCCATCCGAGCGCGACGCGCCACCGCCGGCTCCGCTCACCCCT	120
Db	6062	CCGCTCAACGCTCTGGCCATCCGAGCGCGACGCGCCACCGCCGGCTCCGCTCACCCCT	6121
Qy	121	AGCTGTCTACGCTTGAACCTGGGCTGTCTCGACTGTGTGAGAGCTCTCTGCCC	180
Db	6122	AGCTGTCTACGCTTGAACCTGGGCTGTCTCGACTGTGTGAGAGCTCTCTGCCC	6181
Qy	181	CTGAAGCGCTGGAGCGCTAGCTCCGGGCTGTGCTCGCGCGGCTTCCTGGCGGCCCTG	240
Db	6182	CTGAAGCGCTGGAGCGCTAGCTCCGGGCTGTGCTCGCGCGGCTTCCTGGCGGCCCTG	6241
Qy	241	GTCTTCGGTGGAGGCTCCAGAGGCTGGCTGGACCAACCACTCCCTGGGCGCATC	300
Db	6242	GTCTTCGGTGGAGGCTCCAGAGGCTGGCTGGACCAACCACTCCCTGGGCGCATC	6301
Qy	301	AGTGCAGCGCTACCTGGAGAGGCTTCCTCGGCTTACCAAGCTTCGAGGCGCG	360
Db	6302	AGTGCAGCGCTACCTGGAGAGGCTTCCTCGGCTTACCAAGCTTCGAGGCGCG	6361
Qy	361	TGCTATTCTGGGGGTGTGCGGCGCATCTGGGCTCTGCTGTGTACCTGGGCTG	420
Db	6362	TGCTATTCTGGGGGTGTGCGGCGCATCTGGGCTCTGCTGTGTACCTGGGCTG	6421
Qy	421	GTCTTTGGTGGAGGCTCCAGAGGCTGGCTGGACCAACCACTCCCTGGGCGCATC	480
Db	6422	GTCTTTGGTGGAGGCTCCAGAGGCTGGCTGGACCAACCACTCCCTGGGCGCATC	6481
Qy	481	AACACACCGGTCAACGGCTCTCGGCTTGGAGGCTGGAGCCCGGCTTCGCGGC	540
Db	6482	AACACACCGGTCAACGGCTCTCGGCTTGGAGGCTGGAGCCCGGCTTCGCGGC	6541
Qy	541	CCGGCCGCTTACGCTCTCTCTGCTCTTTTCTGCTTGGCCATCACAGCTTC	600
Db	6542	CCGGCCGCTTACGCTCTCTCTGCTCTTTTCTGCTTGGCCATCACAGCTTC	6601
Qy	601	TGCTAGCTGGGCTTCGGGCACTGGCCCGCTCGGCTGACGACAGGCGGAAGCTG	660
Db	6602	TGCTAGCTGGGCTTCGGGCACTGGCCCGCTCGGCTGACGACAGGCGGAAGCTG	6661
Qy	661	CGGGCCGCTTGGTGGCGGCGGCTCTCTCACGCTGCTCTGCTAGGACCTTAC	720
Db	6662	CGGGCCGCTTGGTGGCGGCGGCTCTCTCACGCTGCTCTGCTAGGACCTTAC	6721
Qy	721	AACGCTCCAACTGGCCAGCTTCCTGTACCCCAATCTAGGAGGCTCTGGCGGAAGCTG	780

Db 6722 AACGCTCCAACTGGCCAGCTTCCTGTATCCCAATCTAGGAGGCTCTGGCGGAAGCTG 6781

Qy 781 GGCTCATCACGGGTGCTGGAGTGTGTGCTTAATCCGCTGTGACCGGTTACTTTGGGA 840

Db 6782 GGCTCATCACGGGTGCTGGAGTGTGTGCTTAATCCGCTGTGACCGGTTACTTTGGGA 6841

Qy 841 AGGGTCTTGGCTTGAAGACAGTGTGTGGGCAAGAACCAAGGGGGCAAGTCCCAAG 900

Db 6842 AGGGTCTTGGCTTGAAGACAGTGTGTGGGCAAGAACCAAGGGGGCAAGTCCCAAG 6901

Qy 901 TAA 903

Db 6902 TAA 6904

RESULT 7

US-10-741-600-17948
; Sequence 17948, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741.600
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17948
; LENGTH: 13682
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-17948

Query Match 99.9%; Score 902.2; DB 21; Length 13682;
Best Local Similarity 99.8%; Pred. No. 1.4e-221;
Matches 901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ATGACCTGCCCGCAGCTCTCTCGGCTCTATGTGCGCCCTTTGGCTGGGCTTC	60
Db	6002	ATGACCTGCCCGCAGCTCTCTCGGCTCTATGTGCGCCCTTTGGCTGGGCTTC	6061
Qy	61	CCGCTCAACGCTCTGGCCATCCGAGCGCGACGCGCCACCGCGGCTCCGCTCACCCCT	120
Db	6062	CCGCTCAACGCTCTGGCCATCCGAGCGCGACGCGCCACCGCGGCTCCGCTCACCCCT	6121
Qy	121	AGCTGTCTACGCTTGAACCTGGGCTGTCTCGACTGTGTGAGAGCTCTCTGCCC	180
Db	6122	AGCTGTCTACGCTTGAACCTGGGCTGTCTCGACTGTGTGAGAGCTCTCTGCCC	6181
Qy	181	CTGAAGCGCTGGAGCGCTAGCTCCGGGCTTCGCTTCGCGCGCTTCGCTGGCGGCC	240
Db	6182	CTGAAGCGCTGGAGCGCTAGCTCCGGGCTTCGCTTCGCGCGCTTCGCTGGCGGCC	6241
Qy	241	GTCTTCGGTGGCGCCACTTCTTCCACTCTATATGCGGCGGGGCTTCCTGGCGGCCCTG	300
Db	6242	GTCTTCGGTGGCGCCACTTCTTCCACTCTATATGCGGCGGGGCTTCCTGGCGGCCCTG	6301
Qy	301	AGTGCAGCGCTACCTGGAGAGGCTTCCTCGGCTTACCAAGCTTCGAGGCGCG	360
Db	6302	AGTGCAGCGCTACCTGGAGAGGCTTCCTCGGCTTACCAAGCTTCGAGGCGCG	6361
Qy	361	TGCTATTCTGGGGGTGTGCGGCGCATCTGGGCTTCGCTGTGTGTACCTGGGCTG	420
Db	6362	TGCTATTCTGGGGGTGTGCGGCGCATCTGGGCTTCGCTGTGTGTACCTGGGCTG	6421
Qy	421	GTCTTTGGTGGAGGCTCCAGAGGCTGGCTGGAGCAACCACTCCCTGGGCGCATC	480
Db	6422	GTCTTTGGTGGAGGCTCCAGAGGCTGGCTGGAGCAACCACTCCCTGGGCGCATC	6481
Qy	481	AACACACCGGTCAACGGCTCTCGGCTTGGAGGCTGGAGCCCGGCTTCGCGGC	540
Db	6482	AACACACCGGTCAACGGCTCTCGGCTTGGAGGCTGGAGCCCGGCTTCGCGGC	6541

QY	541	CGGGCCGCTCAGCCCTCTCTCCCTGCTCTTTTCTGCTCCCTTGCCCATCACAGCTTC	600
Db	6542	CGGGCCGCTCAGCCCTCTCTCTCTGCTCTTTTCTGCTCCCTTGCCCATCACAGCTTC	6601
QY	601	TGCTACGTGGGCTGCTCCGGGCACTTGGCCCTCGGCTTACGACACAGGCGGAAGCTG	660
Db	6602	TGCTACGTGGGCTGCTCCGGGCACTTGGCCCTCGGCTTACGACACAGGCGGAAGCTG	6661
QY	661	CGGGCCGCTGGTGGGCGGGGGGCTCTCCCTACGCTGCTGCTGCTAGGACCTTAC	720
Db	6662	CGGGCCGCTGGTGGGCGGGGGGCTCTCTCCCTACGCTGCTGCTGCTAGGACCTTAC	6721
QY	721	AACGCTCTCAAAGTGGCCAGCTTCTGTAACCCCAATCTAGGAGCTTCTGGCGGAAGCTG	780
Db	6722	AACGCTCTCAAAGTGGCCAGCTTCTGTAACCCCAATCTAGGAGCTTCTGGCGGAAGCTG	6781
QY	781	GGGCTCATACGGGTGCTGGAGTGTGCTTAATCCGCTGGTGAACGGTTACTTGGGA	840
Db	6782	GGGCTCATACGGGTGCTGGAGTGTGCTTAATCCGCTGGTGAACGGTTACTTGGGA	6841
QY	841	AGGGTCTTGGCTGAAGACAGTGTGGCGCAAGAACGCAAGGGGGCAAGTCCAGAG	900
Db	6842	AGGGTCTTGGCTGAAGACAGTGTGGCGCAAGAACGCAAGGGGGCAAGTCCAGAG	6901
QY	901	TAA 903	
Db	6902	TAA 6904	
RESULT 8			
US-10-741-601-5669			
; Sequence 5669, Application US/10741601			
; Publication No. US20040166519A1			
; GENERAL INFORMATION:			
; APPLICANT: CARGILL, Michele et al.			
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH			
; FILE REFERENCE: STENOSIS, METHODS OF DETECTION AND USES THEREOF			
; CURRENT APPLICATION NUMBER: US/10/741,601			
; CURRENT FILING DATE: 2003-12-22			
; NUMBER OF SEQ ID NOS: 26415			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 5669			
; LENGTH: 30192			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-741-601-5669			
Query Match 99.9%; Score 902.2; DB 19; Length 30192;			
Best Local Similarity 99.8%; Pred. No. 1.3e-221;			
Matches 901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;			
QY	1	ATGGACCTGCCCGCAGCTCTCTTTCGGCTCTATGTGGCGCTTGTGGCTGGCTTC	60
Db	28384	ATGGACCTGCCCGCAGCTCTCTTTCGGCTCTATGTGGCGCTTGTGGCTGGCTTC	28443
QY	61	CGGCTCAAGCTCTGGCCATCCGAGCGCGACGGCCACCGCGGCTCGCTCACCCCT	120
Db	28444	CGGCTCAAGCTCTGGCCATCCGAGCGCGACGGCCACCGCGGCTCGCTCACCCCT	28503
QY	121	AGCCTGGTCTAGCCCTGAACCTTGGGCTCTCCGACCTGCTGCTACAGTCTCTCTGCC	180
Db	28504	AGCCTGGTCTAGCCCTGAACCTTGGGCTCTCCGACCTGCTGCTGACAGTCTCTCTGCC	28563
QY	181	CTGAAGCGGTGAGCGCTAGCCTCCGGGCTGCGCTTCCGCGGCTCGCTGCGGCTTC	240
Db	28564	CTGAAGCGGTGAGCGCTAGCCTCCGGGCTGCGCTTCCGCGGCTCGCTGCGGCTTC	28623
QY	241	GTCTTCGGGTGGCCACCTTCTCCACCTATGCGGGGGGCTTCTGCGCGGCTTC	300
Db	28624	GTCTTCGGGTGGCCACCTTCTTCCACCTATGCGGGGGGCTTCTGCGCGGCTTC	28683

QY	301	AGTGAGGCGGCTACCTCGGAGCAGCCCTTCCCTTGGCTTACCAAGCCCTTCGGAGGCGG	360
Db	28684	AGTGAGGCGGCTACCTCGGAGCAGCCCTTCCCTTGGCTTACCAAGCCCTTCGGAGGCGG	28743
QY	361	TGCTAATTCCTGGGGGTGTGCGGCGCATCTGGGCGCTCTGCTGTGTCACTGGGTCTG	420
Db	28744	TGCTAATTCCTGGGGGTGTGCGGCGCATCTGGGCGCTCTGCTGTGTCACTGGGTCTG	28803
QY	421	GTCTTTGGGTTGGAGGCTCCAGGAGGCTGGGACACACACACACACCTCTGGGCATC	480
Db	28804	GTCTTTGGGTTGGAGGCTCCAGGAGGCTGGGACACACACACACACCTCTGGGCATC	28863
QY	481	AACACACCGGTCAACGGCTCTCCGCTCTGCGAGGCTGGGACCCGCGCTCTCCCGGC	540
Db	28864	AACACACCGGTCAACGGCTCTCCGCTCTGCGAGGCTGGGACCCGCGCTCTCCCGGC	28923
QY	541	CGGGCCGCTTACGCT	600
Db	28924	CGGGCCGCTTACGCT	28983
QY	601	TGCTACGTGGGCTGCTCCGGGCACTGGCCGCTCCGGCTTGAGCAGAGCGGAAGCTG	660
Db	28984	TGCTACGTGGGCTGCTCCGGGCACTGGCCGCTTGAGCAGAGCGGAAGCTG	29043
QY	661	CGGGCCGCTGGGTGGCGGGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	720
Db	29044	CGGGCCGCTGGGTGGCGGGGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	29103
QY	721	AACGCTCAACGTGGGCGAGCTTCTGTACCCCAATCTAGGAGGCTCTGGCGGAAGCTG	780
Db	29104	AACGCTCAACGTGGGCGAGCTTCTGTACCCCAATCTAGGAGGCTCTGGCGGAAGCTG	29163
QY	781	GGGCTCATACGGGTGCTGGAGTGTGCTGCTTAATCCGCTGTGACCGCTTACTTGGGA	840
Db	29164	GGGCTCATACGGGTGCTGGAGTGTGCTGCTTAATCCGCTGTGACCGCTTACTTGGGA	29223
QY	841	AGGGTCTTGGCTGAAGACAGTGTGTGGCGCAAGACGCAAGGGGGCAAGTCCAGAG	900
Db	29224	AGGGTCTTGGCTGAAGACAGTGTGTGGCGCAAGACGCAAGGGGGCAAGTCCAGAG	29283
QY	901	TAA 903	
Db	29284	TAA 29286	
RESULT 9			
US-10-741-600-17700			
; Sequence 17700, Application US/10741600			
; Publication No. US20050026169A1			
; GENERAL INFORMATION:			
; APPLICANT: CARGILL, Michele et al.			
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH			
; FILE REFERENCE: MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF			
; CURRENT APPLICATION NUMBER: US/10/741,600			
; CURRENT FILING DATE: 2003-12-22			
; NUMBER OF SEQ ID NOS: 73997			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 17700			
; LENGTH: 30192			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; NAME/KEY: misc feature			
; LOCATION: (1)...(30192)			
; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1-17700			
US-10-741-600-17700			
Query Match 99.9%; Score 902.2; DB 21; Length 30192;			
Best Local Similarity 99.8%; Pred. No. 1.3e-221;			
Matches 901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;			
QY	1	ATGGACCTGCCCGCAGCTCTCTTTCGGCTCTATGTGGCGCTTGTGGCTGGCTTC	60

Db	301	AGTGCAGGCGCTACCTGGGAGCAGCCTTCCCTTGGGCTACCAAGCCTTCGGAGGCGG	360
Qy	361	TGCTATTCTTGGGGGTGTGGGGCCCATCTGGGGCCCTCGTCTGTGTACCTGGGTCTG	420
Db	361	TGCTATTCTTGGGGGTGTGGGGCCCATCTGGGGCCCTCGTCTGTGTACCTGGGTCTG	420
Qy	421	GTCTTTGGGTGGAGGCTCAGAGAGGTGCTGGACACAGCAACACCTCCCTGGGCATC	480
Db	421	GTCTTTGGGTGGAGGCTCAGAGAGGTGCTGGACACAGCAACACCTCCCTGGGCATC	480
Qy	481	AACACACCGGTCAACGGCTCTCCGGTCTGCTGGAGGCTGGACCCGGCTCTGCGGGC	540
Db	481	AACACACCGGTCAACGGCTCTCCGGTCTGCTGGAGGCTGGACCCGGCTCTGCGGGC	540
Qy	541	CCGGCCCGCTTACGCT	600
Db	541	CCGGCCCGCTTACGCT	600
Qy	601	TGCTAGTGGGCTGCTTCCGGGCACTGGGCGGCTCCGGGCTGACGACAGGCGGAAGCTG	660
Db	601	TGCTAGTGGGCTGCTTCCGGGCACTGGGCGGCTCCGGGCTGACGACAGGCGGAAGCTG	660
Qy	661	CGGGCCCGCTTGGGTGGGCGGCGGCGGCTCTCTCAAGCTGTCTGTGGTGGACCTTAC	720
Db	661	CGGGCCCGCTTGGGTGGGCGGCGGCGGCTCTCTCAAGCTGTCTGTGGTGGACCTTAC	720
Qy	721	AACGCTTCAACGTGGGCAAGCTTCTGTATCCCAATCTAGGAGGCTCTGGCGGAAGCTG	780
Db	721	AACGCTTCAACGTGGGCAAGCTTCTGTATCCCAATCTAGGAGGCTCTGGCGGAAGCTG	780
Qy	781	GGGCTCATCAGGGTGGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	840
Db	781	GGGCTCATCAGGGTGGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	840
Qy	841	AGGGTCTCGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG	900
Db	841	AGGGTCTCGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG	900
Qy	901	TAA 903	
Db	901	TAA 903	

RESULT 13
US-10-504-726-18
; Sequence 18, Application US/10504726
; Publication No. US20050089866A1
; GENERAL INFORMATION:
; APPLICANT: Takeda Chemical Industries, Ltd.
; TITLE OF INVENTION: Novel Screening Method
; FILE REFERENCE: P04-071PCT
; CURRENT APPLICATION NUMBER: US/10/504,726
; CURRENT FILING DATE: 2004-08-13
; PRIOR APPLICATION NUMBER: JP 2002-037131
; PRIOR FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: JP 2002-204163
; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 41
; SEQ ID NO 18
; LENGTH: 900
; TYPE: DNA
; ORGANISM: Monkey
US-10-504-726-18

Query Match 93.1%; Score 840.8; DB 21; Length 900;
Best Local Similarity 95.9%; Pred. No. 8.9e-206;
Matches 863; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

Qy 1 ATGGACCTGCCCCCGCAGCTCTCCTTGGGCGCTCTATGTGGCGCGCCTTTGGGCTGGGCTTC 60

Db	1	ATGGACCTGCCCCCGCAGCTCTCCTTTGGCCCTCTATGTGGCGGCTTTTGGGCTGGGCTTC	60
Qy	61	CGGCTCAACGCTCTTGCCCATCCGAGCGCGAGGCGCCACGCCGGCTCGTCTCACCCCT	120
Db	61	CGGCTCAACGCTCTTGCCCATCCGAGGGCGAGGGCCCAAGCCGGCGCTCTCACCCCT	120
Qy	121	AGCTGGTCTACGCTTGAACCTTGGGCTCTCGGACTCTGCTGAGACGTCTCTCTGCCC	180
Db	121	AGCTGGTCTACGCTTGAACCTTGGGCTCTCGGACTCTGCTGAGACGTCTCTCTGCCC	180
Qy	181	CTGAGGGCGTGGAGCGCTAGCCTCCGGGCTTGGCCCTCTGCGGCTCTGCTGTCGCC	240
Db	181	CTGAGGGCGTGGAGCGCTAGCCTCCGGGCTTGGCCCTCTGCGGCTCTGCTGTCGCC	240
Qy	241	GTCTTTCGGGCTGGCCCATCTTTCACCTCTATGCGCGGGGGCTTCTTGGCGGCTTC	300
Db	241	GTCTTTCGGGCTGGCCCATCTTTCACCTCTATGCGCGGGGGCTTCTTGGCGGCTTC	300
Qy	301	AGTGACGCGCTTACCTGGGAGAGCTTCCCTTGGGCTACCAAGCCTTCGGAGGCGG	360
Db	301	AGTGACGCGCTTACCTGGGAGAGCTTCCCTTGGGCTACCAAGCCTTCGGAGGCGG	360
Qy	361	TGCTATTCTGGGGGTGTGCGGCACTCTGGGCGCTCTGCTGTGTGTGTGTGTGTGTGT	420
Db	361	TGCTATTCTGGGGGTGTGCGGCACTCTGGGCGCTCTGCTGTGTGTGTGTGTGTGTGT	420
Qy	421	GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGGACCAAGCAACCTTCTGGGCTTC	480
Db	421	GTCTTTGGGTGGAGGCTCCAGAGGCTGGCTGGGACCAAGCAACCTTCTGGGCTTC	480
Qy	481	AACACACCGGTCAACGGCTCTCGGCTGTGCGGAGGCTGGGACCCGGCTCTGCGGC	540
Db	481	AACACACCGGTCAACGGCTCTCGGCTGTGCGGAGGCTGGGACCCGGCTCTGCGGC	540
Qy	541	CGGGCCCGCTTACGCT	600
Db	541	CGGGCCCGCTTACGCT	600
Qy	601	TGCTAGTGGGCTGCTTCCGGGCACTGGGCGGCTCCGGGCTGACGACAGGCGGAAGCTG	660
Db	601	TGCTAGTGGGCTGCTTCCGGGCACTGGGCGGCTCCGGGCTGACGACAGGCGGAAGCTG	660
Qy	661	CGGGCCCGCTTGGGTGGGCGGCGGCGGCTCTCTCAAGCTGTCTGTGGTGGACCTTAC	720
Db	661	AGGGCGGCTGGGTAGCGGCGGCGGCGGCTCTCTCAAGCTGTCTGTGGTGGACCTTAC	720
Qy	721	AACGCTTCAACGTGGGCAAGCTTCTGTATCCCAATCTAGGAGGCTCTGGCGGAAGCTG	780
Db	721	AACGCTTCAACGTGGGCAAGCTTCTGTATCCCAATCTAGGAGGCTCTGGCGGAAGCTG	780
Qy	781	GGGCTCATCAGGGTGGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	840
Db	781	GGGCTCATCAGGGTGGCTGGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	840
Qy	841	AGGGTCTCGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG	900
Db	841	AGGGTCTCGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCCAAGAG	900
RESULT 14			
US-10-504-726-30			
; Sequence 30, Application US/10504726			
; Publication No. US20050089866A1			
; GENERAL INFORMATION:			
; APPLICANT: Takeda Chemical Industries, Ltd.			
; TITLE OF INVENTION: Novel Screening Method			
; FILE REFERENCE: P04-071PCT			
; CURRENT APPLICATION NUMBER: US/10/504,726			
; CURRENT FILING DATE: 2004-08-13			
; PRIOR APPLICATION NUMBER: JP 2002-037131			
; PRIOR FILING DATE: 2002-02-14			
; PRIOR APPLICATION NUMBER: JP 2002-204163			
; PRIOR FILING DATE: 2002-07-12			
; PRIOR APPLICATION NUMBER: JP 2002-328696			
; PRIOR FILING DATE: 2002-11-12			
; PRIOR APPLICATION NUMBER: JP 2003-14032			
; PRIOR FILING DATE: 2003-01-22			
; NUMBER OF SEQ ID NOS: 41			
; SEQ ID NO 18			
; LENGTH: 900			
; TYPE: DNA			
; ORGANISM: Monkey			
US-10-504-726-18			

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; PRIOR FILING DATE: 2002-07-12
; PRIOR APPLICATION NUMBER: JP 2002-328696
; PRIOR FILING DATE: 2002-11-12
; PRIOR APPLICATION NUMBER: JP 2003-14032
; PRIOR FILING DATE: 2003-01-22
; NUMBER OF SEQ ID NOS: 17
; SEQ ID NO 30
; LENGTH: 900
; TYPE: DNA
; ORGANISM: Hamstar
US-10-504-726-30

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Best Local Similarity 67.8%; Score 612; DB 21; Length 900;
Matches 720; Conservative 0; Mismatches 180; Indels 0; Gaps 0;

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QY 1 ATGGCCCTGTCTCCCAACTCTTCTTGGCCCTCTATGTGCTGCTTGGCGTGGGCTTC 60
Db |||||
QY 61 CGCTCAACGCTCTGCGCATCCGAGCGCGACGGCCCAAGCCCGGCTCGTCTCACCCCT 120
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QY 61 CGCTCAACGCTCTGCGCATCCGAGCGCGACGGCCCAAGCCCGGCTCGTCTCACCCCT 120
Db |||||
QY 121 AGCTTGGTCTACGCTTGAACCTGGGCTGCTCGACCTGCTGCTGACAGTCTCTCTGCC 180
Db |||||
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Db |||||
QY 181 CTGAAGCGGCTGAGCGCTAGCTCCGCGGCTGCGCTCTGCGGCTGCGCTGCGGCTTC 240
Db |||||
QY 181 CTGAAGCGGCTGAGCGCTAGCTCCGCGGCTGCGCTCTGCGGCTGCGCTGCGGCTTC 240
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QY 241 GTCTTTCGCGGTGGCGGCTTCTCCACTCTATGCGGCGGGGCTTCGCGGCGGCTTC 300
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Db |||||
QY 301 AGTGAGGCGCTTACCTGGGAGCAGCTTCCCTTGGGCTACCAAGCCCTTCGAGGCGG 360
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Db |||||
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QY 361 TGCTATTCCTGGGAGCTTCCGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTGCGGCTTC 420
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QY 421 CGGCGCGCTTGGGCTGCGGCGGCTTCCCTGAGGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
Db |||||
QY 421 AGGCGAGCTTGGGCGGCGGAGGCGCTTCTCACAATCTGCTGCTGCTGCTGCTGCTGCT 720
Db |||||
QY 721 AACGCTTCAACCTGGCGAGCTTCTGTATCCCAATCTAGGAGGCTTCCTGGCGGAGCTG 780
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QY 721 AATGCTTCAATCTGGCGAGCTTCTGTAAACCCGGAATCTGGAGGCTTCCTGGAGAGCTG 780
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QY 781 GGGCTCATACCGGCTGCTGGAGTGTGCTTAATCCGCTGTGTACCGGTTACTTTGGGA 840
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QY 841 AGGGGCTCCTGGCTGAAGACAGTGTGTGGGCAAGAACGCAAGGGGGCAAGTCCAGAGA 900
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Db 841 GCAAGTCTGCGCGGAGGACAGTATGTACGACAGGACTCAAGGAGGAACAATTTCAGAAG 900
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US-10-451-007B-3
; Sequence 3, Application US/10451007B
; Publication No. US20040137517A1
; GENERAL INFORMATION:
; APPLICANT: Glaxo Group Limited
; APPLICANT: Briscoe, Celia
; APPLICANT: Ignar, Diane
; APPLICANT: Muir, Alison
; APPLICANT: Tadayon, Mohammed
; TITLE OF INVENTION: Method of Screening for GPR40 Ligands
; FILE REFERENCE: P32745
; CURRENT APPLICATION NUMBER: US/10/451,007B
; CURRENT FILING DATE: 2003-01-12
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 3
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(900)
US-10-451-007B-3

Query Match
Best Local Similarity 66.9%; Score 604.4; DB 19; Length 903;
Matches 716; Conservative 0; Mismatches 186; Indels 0; Gaps 0;

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QY 61 CGCTCAACGCTCTGCGCATCCGAGCGCGACGGCCCAAGCCCGGCTCGTCTCACCCCT 120
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QY 61 CCATTGAACCTTGTAGCCCATCGAGCGCAGTGTCCACGCTAACTGGGACTACTGCC 120
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QY 121 AGCTTGGTCTACGCTTCCACTCTGCGGCTGCTCGGACCTGCTGCTGCTGCTGCTGCTG 180
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QY 181 CTGAAGCGGCTGAGGCGCTAGCTTCCGCGGCTGCGCTCTGCGGCTGCGGCTGCGGCTTC 240
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QY 181 CTGAAGCGGCTGAGGCGCTAGCTTCCGCGGCTGCGCTCTGCGGCTGCGGCTTTCGCCA 240
Db |||||
QY 241 GTCTTTCGCGGTGGCGGCTTCTTCCACTCTATGCGGCGGGGCTTCGCGGCGGCTTC 300
Db |||||
QY 241 GTCTTTCGCGGTGGCGGCTTCTTCCACTCTACGCGAGCGGAGGCTTCCTAGCTGCTC 300
Db |||||
QY 301 AGTGAGGCGGCTACCTGGGAGCAGCTTCCCTTGGGCTACCAAGCCCTTCGAGGCGG 360
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QY 301 AGCGCTGCGCGCTACTCGGCGGCTGCGCTTCCCTTGGGCTACCAAGCCCATCGAGGCG 360
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QY 361 TGCTATTCCTGGGAGCTTCCGCGGCTGCGGCGGCTGCGGCGGCTGCGGCTGCGGCTTC 420
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QY 361 CGCTATTCCTGGGAGCTTCTGCTGCTATATGGGCGGCTTGTCTCTGCGGCTGCGGCTTC 420
Db |||||
QY 421 GTCTTTCGCGGTGGAGGCTTCCAGGAGCTTGGCTGGACCAAGCCATCCCTTCCCTGGGCA 480
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QY 421 GCGCTTGGCTTGGAGACTTCCGAGAGCTTGGCTGGACCAAGCTACCAAGTTCCTGGGCA 480
Db |||||
QY 481 AACACACCGGTAACCGGCTTCCGCTGCTGCGGAGGCTTGGGAGCCCGGCTTCTGCGGCG 540
Db |||||
QY 481 AACATACCGTGAATGGCTTCCCGGCTGCTGCGGAGGCTTGGGATCCCGGCTTCTGCGGCG 540
Db |||||
QY 541 CGGCGCGCTTTCAGGCTCTCTCTGCTGCTCTTTTCTGCGGCTGCGGCTGCGGCTTTC 600
Db |||||
QY 541 CCTGCGCGCTTTCAGGCTTCTCTGCTTCTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 600
Db |||||
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Db	601		660
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Db	661		720
Qy	721	CGGCGCCGCTGGGTGGCGGGGGCCCTCTCAGCTGCTCTCTGCGTAGGACCCCTAC	780
Db	721		780
Qy	781	AGGCGAGCTTGGGTGGCGGGAGGCGCTCTCTACACTCTGCTCTGCTTGGCGGCCCTAT	840
Db	781		840
Qy	841	AAGCCCTCCAAACGTGGCCAGCTTCTCTGTATCCCAATCTAGGAGGCTCCTGGCGGGAAGCTG	900
Db	841		900
Qy	901	AATGCCCTCCAAATGTGGTAGTTTCATAAAACCCGACCTAGGAGGCTCCTGGAGGAAGTTG	960
Db	901		960
Qy	961	GGGCTCATCACGGGTGCTGGAGTGTGCTTAATCCGCTGGTGACCCGTTACTTTGGGA	1020
Db	961		1020
Qy	1021	GGACTCATCACAGGGGCCCTGGAGTGTGGTACTCAACCCACTGGTCACTGGCTACTTTGGGA	1080
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Qy	1081	AGGGTCTCCTGGCCTGAAGACAGTGTGTGCGGCAAGAACGCAAGGGGCAAGTCCCAAGAG	1140
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Qy	1141	ACAGGTCTTGACGGGGAACAATATGTGTGACGAGGACTCAAGAGAGNACAATTTCAGAG	1200
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Qy	1201	TA 902	
Db	1201	TA 902	

Search completed: August 27, 2005, 03:22:47
Job time : 634 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 27, 2005, 00:47:25 ; Search time 157 Seconds
(without alignments)
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Title: US-10-202-687-1
Perfect score: 903
Sequence: 1 atggacctccccgcagct.....ggggcaagtccagaagtaa 903

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

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- 2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
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- 5: /cgn2_6/ptodata/1/ina/PTCUS_COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	903	100.0	903	4	US-09-170-496D-249
2	898.2	99.5	903	4	US-09-170-496D-271
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4	123.4	13.7	1841	3	US-09-248-715-1
5	123.4	13.7	1841	3	US-09-248-715-1
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7	118.6	13.1	1041	4	US-09-170-496D-273
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9	84.6	9.4	4895	3	US-09-479-130-1
10	84.6	9.4	4895	3	US-09-479-130-1
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12	80	8.9	1098	4	US-09-170-496D-225
13	80	8.9	1597	2	US-08-724-974A-1
14	80	8.9	1697	4	US-09-364-425B-26
15	78.2	8.7	1050	4	US-09-762-661A-1
16	78.2	8.7	1329	3	US-09-152-060-25
17	77.2	8.5	993	4	US-09-170-496D-257
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19	75.6	8.4	993	4	US-09-170-496D-275
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21	70	7.8	1095	4	US-09-743-475-2
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23	70	7.8	1910	3	US-09-207-493-1
24	70	7.8	4009	4	US-09-743-475-1
25	70	7.8	8831	4	US-09-949-016-15504
26	66.8	7.4	1155	3	US-09-053-866-3
27	66.8	7.4	1155	3	US-09-479-130-3

c

US-09-170-496D-249
; Sequence 249, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; FILE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 249
; LENGTH: 903
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-249

ALIGNMENTS

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28	66.8	7.4	1155	4	US-09-472-130A-3	Sequence 3, Appli
29	65.8	7.3	2911	3	US-08-981-825-5	Sequence 5, Appli
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31	64.4	7.1	1092	3	US-09-077-675A-15	Sequence 15, Appl
32	64.4	7.1	1092	4	US-09-077-675A-15	Sequence 15, Appl
33	64.4	7.1	3129	3	US-09-077-675A-14	Sequence 14, Appl
34	64.4	7.1	3129	4	US-09-077-674-14	Sequence 14, Appl
35	64.2	7.1	1926	3	US-09-249-585A-4	Sequence 4, Appli
36	64.2	7.1	1931	2	US-09-130-114-2	Sequence 2, Appli
37	63	7.0	1063	3	US-09-077-675A-1	Sequence 1, Appli
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Qy	61	CGGCTCAAGCTCTGGCCATCCGAGCGCGAGCGGCGGCTCCGCTCTCACCCCT	120	
Db	61	CGGCTCAAGCTCTGGCCATCCGAGCGCGAGCGGCGGCTCCGCTCTCACCCCT	120	
Qy	121	AGCCTGGTACGCCCTGAACCTGGGCTCTCCGACCTGCTGACATCTCTTGTGCC	180	
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Qy	181	CTGAGGCGGTGGAGCGCTAGCCTCGGGGCTGGCTCTCGGCGGCTGGTGGCCC	240	
Db	181	CTGAGGCGGTGGAGCGCTAGCCTCGGGGCTGGCTCTCGGCGGCTGGTGGCCC	240	
Qy	241	GTCTTCGGGTGGCGGCTCTCTTCCACATCTATGCGGCGGGGCTTCCTGGCGGCTG	300	
Db	241	GTCTTCGGGTGGCGGCTCTCTTCCACATCTATGCGGCGGGGCTTCCTGGCGGCTG	300	
Qy	301	AGTGAGGCGGCTACTGGAGAGCTTCCCTTGGGCTACCAAGCTTTCGGAGCGG	360	
Db	301	AGTGAGGCGGCTACTGGAGAGCTTCCCTTGGGCTACCAAGCTTTCGGAGCGG	360	
Qy	361	TGCTATTCTGGGGGTGTGGCGGCATCTGGGCGGCTCTGCTGTGTACCTGGTCTG	420	


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; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; FILING DATE: 19-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1841 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-08-820-521-1

Query Match      13.7%; Score 123.4; DB 2; Length 1841;
Best Local Similarity 52.3%; Pred. No. 1.1e-17;
Matches 383; Conservative 0; Mismatches 326; Indels 24; Gaps 4;

QY 18 GCTCTCTCGGCTCTATGTGGCGGCTTTCGCTGGGCTTCCCGCTCAACGCTCTGGC 77
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QY 78 CATCCGAGCGGCGACGCCGCCAGCCCGGCTCCGCTCACCCCTAGCCTGTGTCTACGCCCT 137
DB 394 CTTGTGTGTTCTTCTGGGGAAGCTGAGCGCCCGCGGTGGCGTGGACGTGCTCTGTCT 453
QY 138 GAACCTGGGCTGCTCCGACCTGTGTGACAGTCTCTTCTGCCCTGAAAGCGGTGAGGC 197
DB 454 CAACCTGACCGCTCGACGCTGCTCTGCTGCTGCTTCTCTGCTTTCGGCATGTGGAGGC 513
QY 198 GCTAGCTCCGGGCTGGGCTCTGCGGCGCTCGCTGTGCGCCCGCTTCTGCGGTGGCCCA 257
DB 514 AGCCAATGGCATGACTGGGCCCTTCCCTCTCATCTCTGCCCCACTCTCTGGATTCTCTT 573
QY 258 CTTCTTCCCACTCTATGCGGGGGGGCTTCTTGGCGCGCTTCAGTGACAGCGCGCTACCT 317
DB 574 CTTACCAACCATCTATCTACCGCCCTCTTCTTGGGAGCTGTGAGCATTTGAACGCTCTCT 633
QY 318 GGAAGCAGCCCTTCCCTTGGGCTACCAAGCCTTCCGAGGCGCTGTCTATTTCTTGGGGGT 377
DB 634 GAGTGTGGCCCACTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 693
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QY 438 TCCAGAGGCTGGTGGACACAGCAACACCTCCCTGGGCGATCAACACACCGGTCAACGG 497
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QY 558 CTCTCTCTGCTCTTTTCTGCGCTTGGGCCATCACAGCGCTTCTGTACGTGGGCTGCCT 617

; 853 GGCTGTGGTCTCTTTTGTGGTCCCGCTGATCATCACCAGCTACTGCTAC---AGCGCCT 909
; 618 CCGGCACTGGCCCGCTCGGCTCGGCTGACGACAGGCGGAAGCTGCGGCGCGCTGTGGTGGC 677
; 910 GGTGTGGATCTCTCGGCAGAGGGGCGAGCCACCGCGGAGAGAGGGTGGCGGGCTGTT 969
; 678 CCGCGGGGCGCTCTCCTCAGCGCTGCTCTGCTAGGACCTACAGCCCTCCCAAGCTGGC 737
; 970 GCGGCGCAGCGCTGCTCAACTTCTGCTGCTTTGGGCGCTACAAAGCTGCTCCATGCTGT 1029
; 738 CAGCTTCTCTGTAC 750
; 1030 GGGCTATATCTGC 1042

RESULT 4
US-09-248-715-1
; Sequence 1, Application US/09248715
; Patent No. 6207800
; GENERAL INFORMATION:
; APPLICANT: BERGSMAN, DEREK
; APPLICANT: SATHE, GANESH M.
; APPLICANT: FUETTERER, WENDY
; APPLICANT: MAO, JOYCE
; TITLE OF INVENTION: CDNA CLONE HNF20 THAT ENCODES
; TITLE OF INVENTION: A NOVEL HUMAN 7-TRANSMEMBRANE RECEPTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/248,715
; FILING DATE: 09-FEB-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,521
; FILING DATE: 19-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F.
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-50011-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1841 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-09-248-715-1

Query Match      13.7%; Score 123.4; DB 3; Length 1841;
Best Local Similarity 52.3%; Pred. No. 1.1e-17;
Matches 383; Conservative 0; Mismatches 326; Indels 24; Gaps 4;

QY 18 GCTCTCTCTCGGCTCTATGTGGCGGCTTTCGCTGGGCTTCCCGCTCAACGCTCTGGC 77
DB 334 GTTCGTCTTTCGCTGTACCTTCTCACTTTCTCGGTGGGCTCCCGCTCAACGCTGTGC 393
QY 78 CATCCGAGCGGCGACGCCGCCAGCCCGGCTCCGCTCACCCCTAGCCTGTGTCTACGCCCT 137
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Db 394 CCTGGTGTCTTCTGGGGAAGCTGTCAGGCGCGCCGGTGGCGTGTCTCTGTCT 453
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Qy 198 GCTAGCCTCCGGGCGCTGCGCTCTGCGGCGCTCGCTGTGTCGCCGCTTTCGCGGTGGCCCA 257
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Qy 378 GTGCGCGGCATCTGGGCGCTCTGCTGTGTGTCACTGGGTCTGGTCTTTGGGTGGAGGC 437
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Db 1030 GGGCTATATCTGC 1042

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US-09-248-715-1
; Sequence 1, Application US/09248715
; Patent No. 627960
; GENERAL INFORMATION:
; APPLICANT: BERGSMAN, DERK
; SATHE, GANESH M.
; FUETTERER, WENDY
; MAO, JOYCE
; TITLE OF INVENTION: CDNA CLONE HNFY20 THAT ENCODES
; 7-TRANSMEMBRANE RECEPTOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Rathner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/248,715
; FILING DATE: 09-Feb-1999
; CLASSIFICATION: UNKNOWN
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,521
; FILING DATE: 19-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-50011-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1841 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-248-715-1

Query Match 13.7%; Score 123.4; DB 3; Length 1841;
Best Local Similarity 52.3%; Pred. No. 1.1e-17;
Matches 383; Conservative 0; Mismatches 326; Indels 24; Gaps 4;

Qy 18 GCTCTCTTGGGCTCTATGTGGCGCTTTGGCTGGGCTTCCGGCTCAAGCTCTGGC 77
Db 334 GTTCGTCTTCTCGGTGTACCTTCTCACTTCTCTGGTGGGCTCCCTCAACCTGCTGGC 393
Qy 78 CATCGAGCGCGAGCGCCACGCGCGCTCCGTCTACCCCTAGCCTGGTCTAGCGCCT 137
Db 394 CTTGTGTCTTCTGGGCAAGCTGCAGCGCGCGCGTGGCGGTGAGCTGCTCTGCT 453
Qy 138 GAACCTGGGCTGCTCCGACCTGCTGTGACAGTCTCTCTGCGCCCTGAAGCGGTGGAGGC 197
Db 454 CAACCTGACCGCTCGGACCTGCTCTGCTGTCTCTGCTGCTTCCGCGATGGTGGAGGC 513
Qy 198 GCTAGCCTCGGGGCTGGGCTCTGCGGCGCTCGGTGTGCGCGCTTCTGCGGTGGGCCA 257
Db 514 AGCCAATGGCATGCACTGGCGCCCTGCCCTTCACTCTCTGCGCACTCTCTGGATTTCATCT 573
Qy 258 CTTCTTCCACTCTATGCGCGCGGCGCTTCTGCGCGCCCTGAGTGCAGGCGCTACTCT 317
Db 574 CTTACCAACATCTATCTACGCGCCCTCTTCTGGAGCTGTGAGCATTTGAACGCTTCT 633
Qy 318 GCGAGCAGCTTCCCTTGGGCTACCAAGCCTTCGGAAGCGCGTGTCTATTCTGGGGGGT 377
Db 634 GAGTGTGGCCACCCCTGTGTGTAACAAGACCCGCGCGAGGCTGGGCGAGGCTCTGCT 693
Qy 378 GTGCGGCGCATCTGGGCGCTCTGCTGTGTGTCACCTGGGTGTGCTTTGGGTGGAGGC 437
Db 694 GAGTGTGGCCTGCTGGCTGTGTGGCGCTCTGCTCACTGCAGCGGTGTCTAGCTCATAGAATT 753
Qy 438 TCCAGAGGCTGGCTGGACACAGCAACCTTCCCTGGGCGCATCAACACCGGTCAACGG 497
Db 754 CTCAGGG-----ACATCTCCACAGCGAGGCGACCAATGGACCTG 795
Qy 498 CTTCTCGGCTCTGCTGAGGCGCTGGAGCCCGGCTCTGCCCGCGCGGCGCTTCAAGCT 557
Db 796 CTACCTGGAGTTCCGGAAGGACAG--CTAGGCATCTCTCTGCGCGGTGGGTGGAG-AT 852
Qy 558 CTTCTCTCTCTTTTCTGCGCTTGGCCATCACAGCTTCTGCTAGCTGGGCTGCTCT 617
Db 853 GGTGTGTCTCTTGTGGTCCCGCTGATCATCACCAGCTACTGCTAC---AGCGGCT 909
Qy 618 CCGGCACTGCGCGCTCCGGCTGACGCAAGGCGGAAGCTGCGGGCGCGCTGGGTGGC 677
Db 910 GGTGTGATCTCTCGGAGGGGCGAGCCACCGCGGCGAGAGGCTGGCGGGGCTGT 969
Qy 678 GCGGGGCGCTCTCACGCTGCTGCTGCTAGGACCTTCAAGCGCTTCCAAAGTGGC 737
Db 970 GCGGCGCAGCTGCTCACTTCTTGTGCTGCTTGGGCGCTTCAAGCGTGTCCCATGTCT 1029
Qy 738 CAGCTTCTCTGTAC 750
Db 1030 GGGCTATATCTGC 1042

Db 970 GGCGGCACCGTCTCAACTTCCTTGTCTCTTTGGGCGCTTACAGCTGTCCCATGTGCT 1029
Qy 738 CAGCTTCCTGTAC 750
Db 1030 GGGCTATATCTGC 1042

RESULT 6

US-09-170-496D-253
; Sequence 253, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 253
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-253

Query Match 13.5%; Score 121.8; DB 4; Length 1041;
Best Local Similarity 52.1%; Pred. No. 2.3e-17; Indels 24; Gaps 4;
Matches 382; Conservative 0; Mismatches 327;

Qy 18 GCTCTCTCCGCGCTCTATGTGGCGCGCTTTGGCGCTTCCCGCTCAACGCTCCTGGC 77
Db 45 GTTGGTCTTCTCGGTGTACCTTCTCACTTCTGTGGTGGGCTCCCGCTCAACGCTCCTGGC 104
Qy 78 CATCCGAGGCGACGCCGCCACGCCGCTCCGTCTACCCCTAGCGCTGGTCTACGCCCT 137
Db 105 CCTGGTGGTCTTGTGGGCAAGCTGCAGCGCGCGCGCGTGGCGTGGACGTGCTCCTGCT 164
Qy 138 GAACCTGGGTCTCGACCTGTGTGACAGTCTCTCTGCCCTGAAGCGGTGGAGGC 197
Db 165 CAACCTGACCGCTCGGACCTGTCTGTGCTGTCTTCTCGCTTCCGATGTGGAGGC 224
Qy 198 GCTAGCCTCCGGGCGCTGGGCTCTGCGCGCTCGCTGTGCGCGCTCTTCCGCTGGCCCA 257
Db 225 AGCCAATGGCATGCATGGGCGCTTCCCTTCACTCTGCGCACTCTCTGGATTCACTT 284
Qy 258 CTTCTTCCCACTCTATGCCGGGGGGCTTCTGGCGCGCTTCTGAGTGCAGGCGCTACCT 317
Db 285 CTTTACACCACCATCTATCTCACCGCCCTCTTCTGTGGCAGCTGTGAGCATTTGAAGCTTCT 344
Qy 318 GGGAGCAGCCTTCCCTTGGGCTACCAAGCTTCCGAGGCGCTGTATTCCTGGGGGT 377
Db 345 GAGTGTGGCCACCACTGTGTTGACAGACCCGGCGAGGCTGGGCGACGAGGTCTGCT 404
Qy 378 GTGGGGCGCATCTGGGCGCTCTGCTGTGTCTACCTGGGTCTGTTGGGTGTGAGGC 437
Db 405 GAGTGTGGCTCTGGCTGTGGCTCTGTCTCACTGAGCGTGGTCTAGTCTATAGAAAT 464
Qy 438 TCAGGAGGCTGGCTGGACCAAGCACTCTCCCTGGGCATCAACACACCGCTCAACCG 497
Db 465 CTCAGGGG-----ACATCTCCACAGCAGGCGACCAATGGGACCTG 506
Qy 498 CTCTCGGCTGTGGAGCGCTGGAGCCCGGCTCTGCGGCGCGCGCGCTTACGCT 557
Db 507 CTACCTGGAGTTCCGAAGACAG--CTAGCCATCTCTGCGCGCTGGGCTGGAG-AT 563
Qy 558 CTCTCTCCCTCTTTTCTGCGCTTGGCATCAGAGCTTCTGCTAGTGGGCTGCT 617
Db 564 GGCTGTGCTCTTTTGTGCTCCGCTGATCATCAGCTACTGCTAC---AGCGGCT 620

Qy 618 CGGGGACCTGGCGCGCTCCGGCTCAGGCACAGGCGGGAAGCTGCGGCGCGCTGGGTGGC 677
Db 621 GGTGTGATCTCTCGGAGAGGGGCGAGCCACCGCGGAGAGAGGGTGGCGGGCTGTT 680
Qy 678 CGGGGGGGCTCCTCAAGCTCTGCTGTAGGACCTTCAACGCTTCCAACTGGC 737
Db 681 GGGGGCCACGCTGCTCAACTTCTTGTCTGCTTTGGGCGCTTCAACGCTGCCATGCT 740
Qy 738 CAGCTTCCTGTAC 750
Db 741 GGGCTATATCTGC 753

RESULT 7

US-09-170-496D-273
; Sequence 273, Application US/09170496D
; Patent No. 6555339
; GENERAL INFORMATION:
; APPLICANT: Behan, Dominic P.
; APPLICANT: Chalmers, Derek T.
; APPLICANT: Liaw, Chen W.
; TITLE OF INVENTION: No. 6555339-Endogenous, Constitutively Activated Human G Protein-
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: AREN-0040
; CURRENT APPLICATION NUMBER: US/09/170,496D
; CURRENT FILING DATE: 1998-10-13
; NUMBER OF SEQ ID NOS: 294
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 273
; LENGTH: 1041
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-170-496D-273

Query Match 13.1%; Score 118.6; DB 4; Length 1041;
Best Local Similarity 51.8%; Pred. No. 1.1e-16; Indels 24; Gaps 4;
Matches 380; Conservative 0; Mismatches 329;

Qy 18 GCTCTCTCCGCGCTCTATGTGGCGCGCTTTGGCGCTTCCCGCTCAACGCTCCTGGC 77
Db 45 GTTGTCTTCTCGGTGTACCTTCTCACTTCTGTGGTGGGCTCCCGCTCAACGCTCCTGGC 104
Qy 78 CATCCGAGGCGGACGCCGCCACCGCTCGTCTACCCCTAGCGCTGGTCTACGCCCT 137
Db 105 CCTGGTGGTCTTGTGGGCAAGCTGCAGCGCGCGCGCTGGCGTGGACGTGCTCCTGCT 164
Qy 138 GAACCTGGGTCTCCGACCTGTGTGACAGTCTCTCTGCCCTGAAGCGGTGGAGGC 197
Db 165 CAACCTGACCGCTCGGACCTCTCTGTGCTGTCTTCTGCTTCCGATGTGGAGGC 224
Qy 198 GCTAGCCTCCGGGCGCTGGGCTCTGCGCGCTCGCTGTGCGCGCTTCTCGCGTGGCCCA 257
Db 225 AGCCAATGGCATGCATGGGCGCTTCCCTTCACTCTGCGCACTCTCTGGATTCACTT 284
Qy 258 CTTCTTCCCACTCTATGCCGGGGGGCTTCTGGCGCGCTTCTGAGTGCAGGCGCTACCT 317
Db 285 CTTTACACCACCATCTATCTCACCGCCCTCTTCTGTGGCAGCTGTGAGCATTTGAACGCTTCT 344
Qy 318 GGGAGCAGCCTTCCCTTGGGCTACCAAGCTTCCGAGGCGCTGTATTCCTGGGGGT 377
Db 345 GAGTGTGGCCACCACTGTGTTGACAGACCCGGCGAGGCTGGGCGACGAGGTCTGCT 404
Qy 378 GTGGCGGCGCATCTGGGCGCTCTGCTGTGTCTCACTGGGTCTGTTGGGTGTGAGGC 437
Db 405 GAGTGTGGCTCTGGCTGTGGCTCTGTCTCACTGAGCGTGGTCTAGTCTATAGAAAT 464
Qy 438 TCAGGAGGCTGGCTGGACCAAGCACTCTCCCTGGGCATCAACACACCGGTCAACCG 497
Db 465 CTCAGGGG-----ACATCTCCACAGCAGGCGACCAATGGGACCTG 506
Qy 498 CTCTCGGCTGTGGTGGAGCGCTGGGACCCGGCTCTGCGGCGCGCGCGCTTACGCT 557
Db 507 CTACCTGGAGTTCCGAAGAGCAG--CTAGCCATCTCTCTCGCGCTGGGCTGGAG-AT 563

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QY 558 CTCTCTCCGCTCTTTTCTGCGCTTGGCCATCAGAGCTTCTGCTAGTGGGCTGCT 617
D 564 GGCTGTGGTCTTCTTGTGGTCCGCTGATCATCAGCTACTGTAC---AGCGCT 620
QY 618 CCGGGCACTGGCCCGCTCCGCGCTGACGACAGGCGGAAAGCTGCGGGCCGCTGGGTGGC 677
D 621 GGTGTGATCTCTCGGAGAGGGGGCAGCCACCGCCGACAGAGGGGTGAAGGGGCTGTT 680
QY 678 CGCGGGGGCCCTCTCACTGCTGCTCTGCTGAGGACCTCAAGCGCTCCAAAGTGGC 737
D 681 GGCGGCACTGCTCACTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 740
QY 738 CAGCTTCTGTAC 750
D 741 GGCTATATCTGC 753
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RESULT 8

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US-09-053-866-1
; Sequence 1, Application US/09053866
; Patent No. 6111075
; GENERAL INFORMATION:
; APPLICANT: Xu, Wenfeng
; APPLICANT: Presnell, Scott R.
; APPLICANT: Yee, David P.
; APPLICANT: Foster, Donald C.
; TITLE OF INVENTION: PROTEASE-ACTIVATED RECEPTOR
; TITLE OF INVENTION: PAR4 (ZCHEMR2)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/053,866
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Leith, Debra K
; REGISTRATION NUMBER: 32,619
; REFERENCE/DOCKET NUMBER: 98-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6674
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4895 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 176...1330
; OTHER INFORMATION:
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US-09-053-866-1

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Query Match          9.4%; Score 84.6; DB 3; Length 4895;
Best Local Similarity 47.2%; Pred. No. 3.2e-09;
Matches 329; Conservative 0; Mismatches 359; Indels 9; Gaps 2;
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QY 8 TGCCCCGAGAGCTCTCTTCGCGCTCTATGTGGCGCCTTTGCGTGGGCTTCCCGCTCA 67
D 399 TGCCCCACAGGCTGGTGGCCCGCTCTATGGCTGTGGTCTGGTGGGCTGCGCGCA 458
QY 58 AGCTCTCGGCATCCGAGCGGAGCGGCCACGCGCGGCTCGGTCTCACCCCTAGCTGG 127
D 459 ATGGCTGGCGTGTGGGTGTGGCCACGCAAGGCACTCGGCTGCCCTCCACCATGCTGC 518
QY 128 TCTACGCCCTGAACCTGGGCTGCTCCGACCTGCTCTGACAGTCTCTTGCCCCCTGAAGG 187
D 519 T-----CATGNACTTCGGACTGCTGACTCTCTGCGCCCTGGGCTGCCCCCGGA 572
QY 188 CGGTGAGGCGCTAGCTCCGCGGCTGCGCTCTGCGCGGCTGCTGTGCGCCGCTTTCG 247
D 573 TCGCCTACACCTGCGTGGCCAGCGCTTGGCGCTTTCGGGGAGCGCGCTGCGCTGGCCA 632
QY 248 CGGTGGCCCACTTCTTCCACTATGCGGGGGGGGCTTCTTGCGCGCCCTGAGTGCAG 307
D 633 CGGCCGCACTCTATGGTCAATGATATGGTCAAGTCTGCTGCGCCCGCGTCAAGCTGG 692
QY 308 GCGCTACTGGGAGCAGCTTTCGCCCTTGGGCTACAAAGCCTTCCGAGGCGCTGCTATT 367
D 693 ATCGCTACTGGCCCTGGTGCACCGCTGCGGGCCCGCGCTGCTGCGCGCGCTGG 752
QY 368 CTGCGGGGTGTGCGCGCCATCTGGGCGCTGCTCTGTGTCACCTGGGTCTGGTCTTTG 427
D 753 CCTTTGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 809
QY 428 GGTGAGGCTCCAGGAGGCTGGCTGAGCAGCAGCAACACTCCCTGGGCGATCAACAC 487
D 810 CACTGACGCGCAGACCTTTCGCGCTGCGCGCTGCGATCGGCTGCTGCTGCTGCTGCTG 869
QY 488 CGGTCAACGGCTCTCCGCTGCTGCTGAGGCGCTGAGGCGCTGCGCGCTTCTGCGCGCGCGCC 547
D 870 TGCCCTGACGACGACGCTCCCACTGGCAACCGGCTTCTACCTGCGCGCTGCTGG 929
QY 548 GCTTCAGCTCTCTCTCTGCTCTTTTCTGCGCTTGGCCATCAAGAGCTTCTGCTAG 607
D 930 GCTGTTCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 989
QY 608 TGGGCTGCTCCGCGCACTGCGCGCTGCGCGCTGAGCGCAGCGCGGAGCTGCGGGCGG 667
D 990 CGGCCAGCGCGCGCGCTTACCGGCCACGCGCTGAGGCTGACCGGAGTGTGCTGCTGCTG 1049
QY 668 CTGGGTGCGCGCGCGCGCTTCTTCTGCGCGCTTCTGCTGCTGCTGCTGCTGCTGCT 704
D 1050 CCGTGGCTTCTTCTGCGCGCGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1086
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RESULT 9

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US-09-479-130-1
; Sequence 1, Application US/09479130
; Patent No. 6436400
; GENERAL INFORMATION:
; APPLICANT: Xu, Wenfeng
; APPLICANT: Presnell, Scott R.
; APPLICANT: Yee, David P.
; APPLICANT: Foster, Donald C.
; TITLE OF INVENTION: PROTEASE-ACTIVATED RECEPTOR
; TITLE OF INVENTION: PAR4 (ZCHEMR2)
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/479,130
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Leith, Debra K
; REGISTRATION NUMBER: 32,619
; REFERENCE/DOCKET NUMBER: 98-10
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6674
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4895 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; FEATURE:
; NAME/KEY: Coding Sequence
; LOCATION: 176..1330
; OTHER INFORMATION:
;
; US-09-479-130-1
;
; Query Match 9.4%; Score 84.6; DB 3; Length 4895;
; Best Local Similarity 47.2%; Pred. No. 3.2e-09;
; Matches 329; Conservative 0; Mismatches 359; Indels 9; Gaps 2;
;
; Qy 8 TGC CCCCGCAGCTCTCTTGGCCTCTATATGCGCGCGCTTTTCGCTGGGCTTCCCGTCA 67
; Db 399 TGCCACACAGGCTGGTGGCCGCCCTCTATGGGCTGGTCTCTGGTGGGGCTGCCGCCA 458
;
; Qy 68 ACGTCTCGGCATCCGAGGCGGAGGCCACGCGCGGCTCGTCTCACCCCTAGCCTGG 127
; Db 459 ATGGGCTGGCGCTGTGGGTGTGTGCCACGACGAGCACCTCGGCTGCCCTCCACCATGTCTC 518
;
; Qy 128 TCTACGCCCTGAACCTGGGCTGCTCCGACCTGTCTGACAGTCTCTCTGCCCCCTGAAGG 187
; Db 519 T-----GATGAACTCTGGACTGCTGACTCTCTGTGGCCCTGGCGCTGCCCGCGGA 572
;
; Qy 188 CGGTGGAGCGCTAGCTTCCGGGCGCTGGCCTCTGCCGCGCTCGCTGTGCCCGCTTCTTCG 247
; Db 573 TCGCTTACCACCTCGTGGCGCAGCGCTGGCCCTTCGGGAGGCGCGCTGCCGCTGGCCA 632
;
; Qy 248 CGGTGGCGCACTTCTTCCCACTCTATGCGCGGCGGGGGCTTCTGGCGCGCCCTGAGTGAG 307
; Db 633 CGGCGCGCACTCTATGGTGCATGATGAGCTCAGTGTCTGTCTGGCGCGCTGACGCTGG 692
;
; Qy 308 GCGCTTACCTTGGGAGCAGCCTTCCCTTGGGCTACCAAGCCTTCCGGAGGCGGTGCTATT 367
; Db 693 ATCGCTTACCTGGCCCTGTGTGCACCGCTGCGGGCCCGCGCCCTCGTGGCGCGGCTGG 752
;
; Qy 368 CTTGGGGGTTGCGCGGCCATCTGGGCGCTCTGCTCTGTGTACCTGGGTTGGTCTTTTG 427
; Db 753 CCCTTGGACTCTGCATGSGTCTTGG---CTCATGGGCGCGCCCTGGCACTGCCCCCTGA 809
;
; Qy 428 GGTGGAGGCTCCAGGAGGCTGGCTGGAACACAGCAACACTCTCCCTGGGCGATCAACAC 487
; Db 810 CACTGCAAGCGCGACAGCCTTCCGGCTGGCGCTCCGATCGCGTGTCTGTGCCATGACGCGC 869
;
; Qy 488 CGGTCAACGGCTCTCCGCTCTGCTGGAGGCTTGGACCCGGCCCTCTCCGCGCCCGGCC 547
; Db 870 TGCCCCCTGGACGCAAGAGGCTTCCCACTGGCAACCGGCGCTTCACTTGGCTGGCGTGT 929
;
; Qy 548 GCTTCAGCTCTCTCTCTGCTCTTTTTCGCGCTTGGCCATCACAGCCTTCTGCTACG 607
; Db 930 GCTGTTTCTGCCCCCTGCTGGCAATGCTGTGTGTACTAGGGGCGCACCTGCACACGCTGG 989
;
; Qy 608 TGGGCTGCCTCCGGGCACTGGCCCGCTCCGGCGCTGACGCAACAGCGCGGAAGCTGCGGGCCG 667

```


CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: William T. Han
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: ATG0022
TELEPHONE: 610 270 5024
TELEFAX: 610 270 5090
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1597
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTI-SENSE: No
US-08-724-974A-1

Query Match 8.9%; Score 80; DB 2; Length 1597;
Best Local Similarity 51.8%; Pred. No. 2.7e-08;
Matches 207; Conservative 0; Mismatches 190; Indels 3; Gaps 1;

QY 6 CCTGCCCCCGCAGCTCTCCTTCGGCCTCTATGTGGCGGCTTTGGCGCTGGGCTTCCCGCT 65
DB 395 CATCCACACAGACGCTGGCCCCGGTGTCTATGTTACCGTGTGCTGGTGGGCTTCCCGC 454

QY 66 CAACGCTCTCGCCATCCGAGCGCGACGGCCACACGCGCGGCTCCGCTCAACCCCTAGCCT 125
DB 455 CAACGCTCTCTCTCTACTTCGGCTACCTCGAGATCAAGGCCGCGAACGAGCTGGGC-- 512

QY 126 GGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGCTGACAGTCTCTTGCCTCCCTGAA 185
DB 513 -GTGTACCTGTGCAACTGACGCTGGCGACCTCTTCTACATCTGCTCGCTGCGCTTCTG 571

QY 186 GCGGTGGAGCGCTAGCTCCGGGCGCTGCGCTCTGCGGCGCTCTGCGGCGCTCTGCTGCTT 245
DB 572 GCTGCAGTACGCTGCTGACGACACAACTGCTCTACGCGACCTGCTCGCCAGGTGTG 631

QY 246 CGCGTGGCCCACTTCTTCCACTCTATGCGCGCGGGGCTTCTTGGCGCGCTCTGCTGCTG 305
DB 632 CGCATCTCTCTAGAGAACATCTACATCAGCGTGGGCTTCTCTGCTGCTGCTCCCT 691

QY 306 AGCCCGCTACCTCGGAGACGCTTCCCTTGGGCTACCAAGCTTCCGAGGCGCGTGTCTA 365
DB 692 GGACCGCTACCTGGCTGTGGCCATCCCTTCCGCTTCCACCACTTCCGAGCCCTGAAGC 751

QY 366 TTCTCTGGGGGTGTGGCGGCTCTGGGCGCTTGGGCGCTCTGCTCTGCTG 405
DB 752 GGCCGTCGCGCTCAGCGTGTCTATCTGGGCGCAAGGAGCTG 791

RESULT 14
US-09-364-425B-26
Sequence 26, Application US/09364425B
Patent No. 6653086
GENERAL INFORMATION:
APPLICANT: Behan, Dominic P.
APPLICANT: Chalmers, Derek T.
APPLICANT: Liaw, Chen W.
APPLICANT: Lin, I-Lin
APPLICANT: Lowitz, Kevin P.
APPLICANT: Chen, Ruoping
TITLE OF INVENTION: Endogenous, Constitutively Activated G Protein-Coupled Orphan Receptor
FILE REFERENCE: Aren0047
CURRENT APPLICATION NUMBER: US/09/364,425B
CURRENT FILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: 60/094,879
PRIOR FILING DATE: 1998-07-31
PRIOR APPLICATION NUMBER: 60/106,300
PRIOR FILING DATE: 1998-10-30
PRIOR APPLICATION NUMBER: 60/110,906

PRIOR FILING DATE: 1998-12-04
PRIOR APPLICATION NUMBER: 60/121,851
PRIOR FILING DATE: 1999-02-26
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn version 3.1
SEQ ID NO 26
LENGTH: 1697
TYPE: DNA
ORGANISM: Homo sapiens
US-09-364-425B-26

Query Match 8.9%; Score 80; DB 4; Length 1697;
Best Local Similarity 51.8%; Pred. No. 2.7e-08;
Matches 207; Conservative 0; Mismatches 190; Indels 3; Gaps 1;

QY 6 CCTGCCCCCGCAGCTCTCCTTCGGCCTCTATGTGGCGGCTTTGGCGCTGGGCTTCCCGCT 65
DB 377 CATCCACACAGACGCTGGCCCCGGTGTCTATGTTACCGTGTGCTGGTGGGCTTCCCGC 436

QY 66 CAACGCTCTCGCCATCCGAGCGCGACGGCCACACGCGCGGCTCCGCTCAACCCCTAGCCT 125
DB 437 CAACGCTCTGCTCCCTCTACTTCGGCTACCTGCGATCAAGGCCGCGAACGAGCTGGGC-- 494

QY 126 GGTCTAGCCCTGAACTGGGCTGCTCCGACCTGCTGCTGACAGTCTCTTGCCTCCCTGAA 185
DB 495 -GTGTACCTGTGCAACCTGACGCTGGCGGACCTCTTCTACATCTGCTCGCTGCGCTTCTG 553

QY 186 GCGGTGGAGCGCTAGCTCCGGGCGCTGCGCTCTGCGGCGCTCTGCGGCGCTCTGCTGCTT 245
DB 554 GCTGCAGTACGCTGCTGACGACACAACTGCTCTACGCGGACCTGCTCTGCCAGGTGTG 613

QY 246 CGCGTGGCGCCACTTCTTCCCACTCTATGCGCGCGGGGCTTCTGCGCGCGCTCTGAGTGC 305
DB 614 CGGCATCTCTCTGTACGAGAACATCTACATCAGCGTGGGCTTCTCTGCTGCTGCTCCCT 673

QY 306 AGCCCGCTACCTCGGAGCAGCCTTCCCTTGGGCTACCAAGCTTCCGAGGCGCGTGTCTA 365
DB 674 GGACCGCTACCTGGCTGTGGCCATCCCTTCCGCTTCCACCACTTCCGAGCCCTGAAGC 733

QY 366 TTCTCTGGGGGTGTGGCGGCGCTCTGGGCGCTCTGCGGCGCTCTGCTCTGCTG 405
DB 734 GGCCGTCGCGCTCAGCGTGTCTATCTGGGCGCAAGGAGCTG 773

RESULT 15
US-09-762-661A-1
Sequence 1, Application US/09762661A
Patent No. 6645726
GENERAL INFORMATION:
APPLICANT: Howard, Andrew D.
APPLICANT: Palyha, Oksana C.
APPLICANT: Smith, Roy G.
APPLICANT: Tan, Carina P.
TITLE OF INVENTION: CANINE GROWTH HORMONE SECRETAGOGUE
FILE REFERENCE: 20207P
CURRENT APPLICATION NUMBER: US/09/762,661A
CURRENT FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: PCT/US99/17915
PRIOR FILING DATE: 1999-08-06
PRIOR APPLICATION NUMBER: 60/095,960
PRIOR FILING DATE: 1998-08-10
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1050
TYPE: DNA
ORGANISM: Canis familiaris
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(1050)
OTHER INFORMATION: n = A,T,C or G
US-09-762-661A-1

Query Match		8.7%;	Score 78.2;	DB 4;	Length 1050;
Best Local Similarity		47.9%;	Pred. No. 6.2e-08;		
Matches 292;		Conservative 0;	Mismatches 309;	Indels 9;	Gaps 2;
QY	28	GGCCTCTATGTGGCCGCTTTGGCTGGGCTTCCCGCTCAAGTCTCCTGGCCATCCGAGGC	87		
Db	91	GCACCTGGGTGGCGTGTTCGCCGTGGGGTTCGGGGCAACCTGCTGACGGTGTGGTG	150		
QY	88	GGACGGCCACGCCCGGTTCGCTCACCCCTAGCTGGTCTACGCCCTGAACCTGGGC	147		
Db	151	GTGCGCGCTTCGGGAGCTGGGCACACACCAACCTG---TACCTGTGCAGCCTGGCC	207		
QY	148	TGCTCCGACTGCTGTGACAGTCTCTCTGCCCTGAAGCGGTGGAGGCGTAGCCCTCC	207		
Db	208	TGCTCCGACTGCTGTGACAGTCTCTCTGCCCTGAAGCGGTGGAGGCGTAGCCCTCC	267		
QY	208	GGGGCCTGGCCCTCTGCGGCGCTGCTGTGCCCCGCTTTCGCGGTGGCCCACTTCTTCCCA	267		
Db	268	CGGCCCTGGACCTTCGGCGACCTGCTCTGCAAACTCTTCAGTTCGTGAGCGAGGGCTGC	327		
QY	268	CTCTATGCGCGGGGGGCTTCCTGGCGCCCTGAGTGCAGGCCGCTACCTGGGAGGAGCC	327		
Db	328	ACCTACGCCACGCTGTCTACCATCACGGCGCTGAGCGTCTGAGCGCTACTTCGCCCATCTGC	387		
QY	328	TTCCCTTGGGCTACCAAGCCTTCGGAGGCGGTGCTATTCTGGGGGTGTCCGGCC	387		
Db	388	TTCCCTTGGGCTACCAAGCCTTCGGAGGCGGTGCTATTCTGGGGGTGTCCGGCC	447		
QY	388	ATCTGGGCCCTCGTCTGTGTACCTGGGTCTGGTCTTTGGGTGGAGGCTCCAGGAGGC	447		
Db	448	ATCTGGGCCGTGGCCCTTCTGCAGCGCGGGCCCATCTTCGTGTGTG-----GGCGTG	501		
QY	448	TGGCTGGACACAGCAACCTCCCTGGGGATCAACACCGGTCAACGGCTCTCCGGTC	507		
Db	502	GAGCACAGAACGGCACCGACCCCGGGACACCCCGAGTGCOCGGCCACCGAGTTCGCC	561		
QY	508	TGCCTGGAGGCTGGGACCCGGCTCTGCGGCCCGGCGCTTCAGCCCTCTCTCTCCTG	567		
Db	562	GTGCGCTCGGGCTGTCTACGGCCATGGTGTGGTGTCCAGCGTCTTCTTCTCCGCC	621		
QY	568	CTCTTTTCTGCCCCCTGGCCATCACAGCCTTCTGTCTACGTGGGCTGCCCTCCGGGCACTG	627		
Db	622	GTCTTCTGCTCACGGTGTCTTACGGCCTCATCGCAGGAAGCTGTGGCGCGGGGCGC	681		
QY	628	GCCGCTCCG	637		
Db	682	GGCGACACNG	691		

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Job time : 160 secs